EXHIBIT 2

9/10/2024

VirtaMove Corp. v. Amazon.com, Inc., et al.

Donn Rochette

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Page 1
       IN THE UNITED STATES DISTRICT COURT
       FOR THE WESTERN DISTRICT OF TEXAS
            MIDLAND/ODESSA DIVISION
VIRTAMOVE, CORP.,
                                       ) CASE NO.
                          PLAINTIFF, ) 7:24-CV-00030
                                       )
                V.
AMAZON.COM, INC.; AMAZON.COM
SERVICES LLC; AND AMAZON WEB
SERVICES, INC.,
                           DEFENDANTS. )
     VIDEOTAPED DEPOSITION OF DONN ROCHETTE
     TAKEN REMOTELY VIA ZOOM VIDEOCONFERENCE
           TUESDAY, SEPTEMBER 10, 2024
                 11:04 A.M. CDT
   REPORTED BY AUDRA E. CRAMER, CSR NO. 9901
              DIGITAL EVIDENCE GROUP
           1730 M Street, NW, Suite 812
              Washington, D.C. 20036
                  (202) 232-0646
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www.DigitalEvidenceGroup.comDigital Evidence Group C'rt 2024

202-232-0646

	Page 2
1	VIDEOTAPED DEPOSITION OF DONN ROCHETTE,
2	TAKEN REMOTELY VIA ZOOM ON BEHALF OF THE DEFENDANTS
3	AT 11:04 A.M. CDT, TUESDAY, SEPTEMBER 10, 2024, BEFORE
4	AUDRA E. CRAMER, CSR NO. 9901, PURSUANT TO SUBPOENA.
5	
6	APPEARANCES OF COUNSEL
7	
8	ON BEHALF OF THE PLAINTIFF:
9	
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	ON BEHALF OF THE DEFENDANTS:
16	
	KNOBBE, MARTENS, OLSON & BEAR LLP
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	(949) 760-0404
19	jeremy.anapol@knobbe.com
20	
	ALSO PRESENT
21	
	BILLY FAHNERT, VIDEOGRAPHER
22	

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J/ 10/ 20			v. / unazoni.com, mei, et ai.	
				Page 3
1		I	N D E X	
2	EXAMINATION		PAGE	
3	BY MR. ANAPO)L	5	
4	BY MR. TONG		95	
5	BY MR. ANAPO)L	139	
6	BY MR. TONG		155	
7				
8		ЕХН	I B I T S	
9	NO.	PAGE	DESCRIPTION	
10	1010	14	US PATENT 7,519,814	
11	1009	18	ARCHIVE VERSION OF THE	
12			HOMEPAGE ONCORE SYSTEMS	
13			CORPORATION	
14	1011	24	US PATENT 7,784,058	
15	1012	42	AUSTRALIAN UNIX SYSTEMS	
16			USER GROUP NEWSLETTER,	
17			VOLUME 8, NUMBER 5	
18	QUESTI	ONS INSTRU	CTED BY COUNSEL NOT TO A	NSWER
			PAGE LINE	
19			144 7	
			145 2	
20	REPORTE	ER'S NOTE:	All quotations from exh	ibits are
	reflected in	the manne	r in which they were rea	d into the
21	record and d	lo not nece	ssarily indicate an exac	t quote
22	from the doc	cument.		

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	Page 4
1	REMOTELY VIA ZOOM VIDEOCONFERENCE
2	TUESDAY, SEPTEMBER 10, 2024, 11:04 A.M. CDT
3	
4	THE VIDEOGRAPHER: We are on the
5	record. This is the remote video deposition of
6	Donn Rochette in the matter of VirtaMove Corp.
7	versus Amazon.com, Inc., et al., filed in the
8	United States District Court for the Western
9	District of Texas.
10	My name is Billy Fahnert. I am the
11	video technician today. The court reporter is
12	Audra Cramer. We both represent Digital
13	Evidence Group.
14	Today's date is September 10, 2024.
15	The time is 11:04 a.m. Central Standard Time.
16	All parties have stipulated to the
17	witness being sworn in remotely.
18	Will Counsel please identify yourselves
19	for the record, and then the witness will be
20	sworn in.
21	MR. TONG: This is Peter Tong from Russ
22	August & Kabat on behalf of VirtaMove

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Page 5
     Corporation?
 1
 2
              MR. ANAPOL: Jeremy Anapol of Knobbe
 3
     Martens Olson & Bear on behalf of Defendants.
 4
 5
                      DONN ROCHETTE,
 6
             having been first duly sworn, was
 7
            examined and testified as follows:
 8
 9
              MR. ANAPOL: Thank you.
10
11
                        EXAMINATION
12
     BY MR. ANAPOL:
13
              Mr. Rochette, thank you again for being
14
     here today, taking time out of your schedule to
15
     help us collect some information that we hope
16
     will be helpful in our case.
17
              Have you ever been deposed before?
18
         Α.
              No.
19
              Okay. So I'll cover some general
         Q.
20
     background with you just to help you understand
21
     the process.
22
              But before that, can we start by having
```

- 1 you state your full name for the record?
- 2 A. My name is Donn Rochette.
- 3 Q. And Mr. Rochette, where are you joining
- 4 us from today?
- 5 A. I am calling from my home in northern
- 6 Iowa.
- 7 Q. Okay. So the deposition is going to
- 8 follow a question-and-answer format, and Audra,
- 9 our court reporter, is going to be transcribing
- 10 the answers. Because she can only transcribe
- one person speaking at a time, I'll ask that you
- 12 wait until I finish my question to start
- 13 answering, and I will try to wait until you
- 14 finish answering to ask the next question.
- Mr. Tong, who's representing the
- 16 Plaintiffs, may have some objections which he
- 17 might chime in with, but you can go ahead and
- 18 answer the question after he finishes his
- 19 objection. Those are for the record, so, if
- 20 necessary, the judge will look at those
- 21 objections later, but you don't need to concern
- 22 yourself with those.

- 1 A. Okay.
- 2 Q. If you don't understand one of my
- 3 questions, please ask for clarification. I'm
- 4 happy to provide it.
- 5 If you need to take a break at any
- 6 time, please let me know, but if there's a
- 7 question that's pending, I'll just ask that you
- 8 give the answer, and then we'll take a break
- 9 afterward.
- 10 A. Okay.
- 11 Q. Is there any reason why you cannot
- 12 provide complete and accurate testimony today
- 13 such as, you know, being on any medication or
- 14 anything like that?
- 15 A. No.
- 16 Q. And, Mr. Rochette, you used to work at
- 17 a company called Trigence Corp.; is that right?
- 18 A. Yes.
- 19 Q. And do you remember when you worked for
- 20 Trigence?
- 21 A. Gosh, I couldn't give you the dates off
- 22 the top of my head, no. It's been a long time.

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Page 8 Q. Was it in the early 2000s? 1 2 Α. Yes. 3 Q. And did you understand that Trigence 4 later became AppZero? 5 Α. Yes. 6 And then there's a company called Q. 7 AppZero Software Corp. which is now called VirtaMove. 8 9 Do you understand that? 10 I was not aware of that, no. Not until Α. 11 very recently. 12 And when did you become aware of that? 0. 13 Oh, about two months ago someone from Α. 14 VirtaMove reached out to me over LinkedIn --15 Q. Okay. 16 -- and pointed out the connection. Α. 17 Q. Do you remember who from VirtaMove reached out to you over LinkedIn? 18 19 The person identified himself as the Α. 20 CEO of VirtaMove. I can't remember his name. 21 Sorry. 22 Q. Was his name Nigel Stokes?

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- 1 A. That sounds familiar, yes.
- 2 Q. And what did you talk about with
- 3 Mr. Stokes?
- 4 MR. TONG: Objection. Foundation.
- 5 MR. ANAPOL: I'll rephrase the
- 6 question.
- 7 Q. So occasionally, Mr. Rochette, if Peter
- 8 makes an objection like that, I might rephrase
- 9 the question to help resolve the objection.
- 10 After this person purporting to be
- 11 Mr. Stokes reached out to you via LinkedIn, did
- 12 you speak with him?
- 13 A. Yes, I did.
- 14 Q. And he identified himself as Mr. Stokes
- when you spoke to him?
- 16 A. Yes.
- 17 Q. Okay. And what did Mr. -- what did you
- 18 talk about with Mr. Stokes?
- 19 A. He identified the fact -- he explained
- 20 the fact that there was a lawsuit being formed
- 21 over a couple patents that I had done.
- 22 Basically asked me if I wanted to get involved.

- 1 I said in no way was I interested in getting
- 2 involved. And that was it.
- 3 Q. And did you tell him why you didn't
- 4 want to get involved?
- 5 A. Yes. I said I'm retired. I don't want
- 6 to have anything do with it. I don't have an
- 7 opinion one way or the other. I don't have any
- 8 involvement in it, and I would prefer to not be
- 9 involved.
- 10 Q. And when you say you don't have an
- 11 opinion about, what was it that you didn't have
- 12 an opinion about?
- 13 A. The fact that the company called
- 14 VirtaMove was suing several companies regarding
- 15 a couple of the patents that I did, and I don't
- 16 have any -- yeah, I -- what am I trying to say?
- 17 I don't have any opinion one way or the other
- 18 about that.
- 19 Q. You mean opinion about the merits of
- 20 the lawsuit?
- 21 A. Well, it seemed like something that was
- 22 far-reaching, that was not very -- didn't make a

- 1 whole lot of sense, and didn't see where it
- 2 would go anywhere, didn't understand my
- 3 involvement, how I could help at all in it.
- And so that's the reason why I said to
- 5 him I don't want anything to do with it. It
- 6 just seemed rather bizarre and farfetched, and I
- 7 couldn't appreciate the merit of it at all.
- 8 Q. And did Mr. Stokes suggest a particular
- 9 role for you in the lawsuit?
- 10 A. No. He only suggested that I -- would
- 11 I speak with counsel on his part, and I
- 12 declined.
- 13 Q. Did he offer you any sort of
- 14 compensation?
- 15 A. No.
- 16 Q. So have you spoken with anyone else at
- 17 VirtaMove besides Mr. Stokes?
- 18 A. No.
- 19 Q. And it was just that one conversation
- 20 that you had with him; correct?
- 21 A. That is correct.
- 22 Q. So what was your role when you worked

- 1 at Trigence?
- 2 A. I was the chief technology officer and
- 3 a software developer.
- 4 Q. And can you explain what you were
- 5 responsible for in those roles.
- 6 A. I was responsible for the overall
- 7 design and implementation of the software we
- 8 were building, of the architecture of that
- 9 software and the direction of it.
- 10 Q. And what was the software you were
- 11 building while you were at Trigence?
- 12 A. Trigence was focused on software for
- 13 the corporate data center, for applications
- 14 specifically running for corporate purposes in,
- 15 for the most part, large data centers.
- 16 Q. And what did the software do?
- 17 A. It would allow multiple versions of an
- 18 application to run on one instance of an
- 19 operating system.
- 20 O. And what was the name of that software?
- 21 A. Good question. I don't remember. App
- 22 something, I think.

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Page 13 Q. Was it Trigence AE? 1 2 Oh, yeah. That's it. Yes. Thank you. Α. 3 Q. And --4 Α. Yeah. Yes. 5 And did the "AE" stand for "application Q. 6 environment"? 7 Α. Yes, I did. 8 And you worked on several patents while Q. 9 you were at Trigence; correct? 10 Α. Yes. 11 And do you understand that two of those patents are asserted in this case? 12 13 Α. Yes. 14 And I'm just going to show you some 15 documents to help with this discussion. 16 Α. Okay.

- MR. ANAPOL: And so I'm going to ask
- 18 Billy to mark them, but first I have to put them
- 19 where Billy can see them.
- So, Billy, could you go ahead and mark
- 21 Document A as Exhibit 1010, please. 1010.
- 22 THE VIDEOGRAPHER: Okay. Give me one

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     moment to pull it down.
 1
 2
                      (Whereupon, Exhibit 1010 was
 3
                marked for identification.)
 4
     BY MR. ANAPOL:
 5
              And, Mr. Rochette, do you recognize
         Q.
 6
     Exhibit 1010?
 7
         Α.
              Yes.
 8
            And this is a copy of US Patent
         Q.
 9
     No. 7,519,814.
10
              Do you see that --
11
         Α.
              Yes.
12
         Q.
              -- in the upper right?
13
         Α.
              Yeah.
14
         Q.
              And you are listed as the first named
15
     inventor on this patent.
16
              Do you see that?
17
         Α.
              Yes.
18
         Q.
              So where it says "Donn Rochette,
19
     Fenton, Iowa, United States, "that's you;
20
     correct?
21
         Α.
              That is me, correct.
22
         Q. And does the '814 patent generally
```

- 1 relate to containers?
- 2 A. Yes.
- 3 Q. When did you first become aware of
- 4 containers?
- 5 A. Early 2000s. Would have been about a
- 6 year -- it would have been about two years
- 7 before this patent was published. So, yeah, we
- 8 were discussing the concepts and examining ways
- 9 of creating an environment where applications
- 10 can run -- disparate applications could run,
- 11 yes.
- 12 Q. And I just want to clarify one thing
- 13 you said. You said "about two years before this
- 14 patent was published."
- Did you mean published or filed?
- 16 A. Filed. Thank you for the
- 17 clarification. Yes.
- 18 Q. So you can see on this page here, on
- 19 the bottom left corner of the portion that Billy
- 20 was showing -- Billy, if you scroll up.
- 21 Under "Related US Application Data," it
- 22 refers to two provisional applications that were

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- 1 filed in September 2003.
- 2 A. Uh-huh. Right.
- 3 Q. So those are the initial disclosures
- 4 that this is based on.
- 5 Is that the filing date that you were
- 6 referring to --
- 7 A. Yes.
- 8 Q. -- when you were saying two years
- 9 earlier?
- 10 A. Yes. We would have been discussing and
- 11 talking about and envisioning things, yes,
- 12 before this was -- before the provisional was
- 13 filed.
- 14 Q. And how did you first learn about
- 15 containers?
- MR. TONG: Objection. Foundation.
- 17 BY MR. ANAPOL:
- 18 Q. You can go ahead and answer,
- 19 Mr. Rochette.
- 20 A. Oh, okay.
- 21 I first learned about containers in
- 22 discussions with corporate -- with people

	Page 17
1	running corporate data centers and their
2	description of how difficult it was to get
3	applications to run, to migrate older
4	applications to newer platforms, the number of
5	servers and hardware instances that were
6	required for each application, things like that.
7	And so we began envisioning an
8	environment where multiple applications could
9	run and trying to determine if we could solve
10	the problem where an application that was run on
11	one version of the operating system could run on
12	a newer version of a very similar operating
13	system was what some of the first things that
14	caused us to think to arrive at what is now
15	described here as containers.
16	Q. Okay. But you worked on containers at
17	your prior employer before Trigence; right?
18	MR. TONG: Objection. Foundation.
19	THE WITNESS: Yes, they would very
20	loosely be called containers in a prior job.
21	The work I did prior to Trigence was
22	focused on embedded systems. So these were

Page 18 this is software that would run on a computer 1 2 platform that in itself is a part of a larger 3 product, so the engine controller in your car 4 or, you know, some sort of controller for a 5 larger purpose, the controlling software that 6 would be a part of that embedded computer is 7 what we were working on. So we didn't at the time think of them 8 9 as containers, but you could loosely define them 10 as containers in some respect because they are 11 certain applications running, albeit for a 12 lightly different purpose. 13 MR. ANAPOL: Billy, could you mark 14 Document C as Exhibit 1009. 15 (Whereupon, Exhibit 1009 was marked for identification.) 16 17 BY MR. ANAPOL: So, Mr. Rochette, Exhibit 1009 is what 18 appears to be an archive version of the homepage 19 20 for OnCore Systems Corporation. 21 Does that -- do you recognize this? 22 Α. Yes. That is a blast from the past.

Page 19

- And is OnCore Systems Corporation where Q. 1
- 2 you worked before Trigence?
- 3 Α. Yes.
- 4 And do you see in the second black
- 5 paragraph on this page what's written in bold?
- 6 Α. Yeah, you're right. They were called
- 7 virtual computing containers, yeah.
- 8 So OnCore, where you worked before
- 9 Trigence, had a capability that they called
- 10 virtual computing containers; right?
- That is correct. 11 Α.
- 12 0. And the OnCore operating system allowed
- 13 users to run Linux applications; correct?
- 14 Α. Yes.
- 15 MR. TONG: Hold on. Before your next
- 16 question, I want to object to this whole line of
- 17 questioning as exceeding the scope of venue
- 18 discovery that you're entitled to ask
- 19 Mr. Rochette about. Venue discovery should be
- 20 limited to the locations of witnesses, the
- 21 relevance of evidence and the inconvenience cost
- of trial, and we're getting into fact discovery. 22

- 1 BY MR. ANAPOL:
- Q. Mr. Rochette OnCore Systems Corporation
- 3 was located in California; correct?
- 4 A. Yes. The corporate headquarters were
- 5 located in California, yes.
- 6 Q. And so OnCore Systems Corporation was
- 7 developing containers in California; right?
- 8 A. Yes.
- 9 Q. In Northern California specifically;
- 10 correct?
- 11 A. Yes. In the Bay Area.
- 12 Q. Thank you.
- And the OnCore operating system, which
- 14 you helped develop before you went to Trigence,
- 15 allowed users to run Linux operations; correct?
- 16 A. Correct.
- 17 Q. And OnCore called its system for
- 18 walling off applications virtual computing
- 19 containers; correct?
- 20 A. Yes.
- 21 Q. And OnCore had those virtual computing
- 22 containers before Trigence developed its

- 1 container product; correct?
- 2 A. Correct. Yes.
- 3 Q. And when you worked for OnCore, were
- 4 you physically in Northern California?
- 5 A. No. I worked out of Iowa, near Fenton.
- 6 Q. Did you visit Northern California for
- 7 work?
- 8 A. I did, yes.
- 9 Q. How often did you visit Northern
- 10 California?
- 11 A. Probably three or four times a year.
- 12 Q. And how long would you stay when you
- 13 visited?
- 14 A. Most often not more than a week at a
- 15 time.
- 16 Q. And did you have contact during your
- 17 time at OnCore with software developers who were
- 18 physically in Northern California?
- 19 A. Yes.
- 20 Q. Did OnCore have any employees who were
- 21 employed by OnCore that were physically based in
- 22 Northern California?

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Page 22

- 1 A. Yes.
- 2 Q. And did you speak with those people
- 3 when you would visit Northern California?
- 4 A. Yes.
- 5 Q. And what was your title at OnCore?
- 6 A. The chief technology officer.
- 7 Q. So were you well acquainted with how
- 8 OnCore's operating system worked?
- 9 A. Yes.
- 10 Q. And were you well acquainted with how
- 11 OnCore's containers worked?
- 12 A. Yes.
- 13 Q. And before Encore, did you work for a
- 14 different company in Northern California?
- 15 A. Yes. I worked for Microtec -- well,
- 16 wait. Microtec was bought by another company
- 17 out of Oregon. I can't remember the name of it.
- 18 Yes, we lived and worked in Northern
- 19 California before OnCore.
- 20 Q. So when did you live in Northern
- 21 California?
- 22 A. Early 2000s.

- 1 Q. Okay. And when did you stop living in
- 2 Northern California?
- 3 A. Oh, I think -- I don't know. 2001,
- 4 2002, something like that, we moved to Iowa.
- 5 I'd have to go back and check the exact dates.
- 6 Q. Is that around the same time that you
- 7 started working at Trigence?
- 8 A. It's around the same time that I
- 9 started working at OnCore. I moved to Iowa,
- 10 working remotely for the company based in
- 11 California, and then shortly thereafter I
- 12 started working for OnCore in Iowa.
- 13 Q. Okay. And then after OnCore you
- 14 started working at Trigence; correct?
- 15 A. Correct. Yes.
- 16 Q. And did you remain in Iowa when you
- 17 worked for Trigence?
- 18 A. Yes.
- 19 Q. And then briefly, what did you do at
- 20 Microtec, the company you worked at before
- 21 OnCore?
- 22 A. I was a software developer working on

```
Page 24
     real-time operating systems.
 1
 2
              So before Trigence, how long would you
 3
     say you worked in the operating system field?
              I think it was around 1998 or 1999 I
 4
         Α.
 5
     started focusing specifically on real-time
 6
     operating systems.
 7
              Okay. So several years before you
         Q.
 8
     filed the application for the '814 patent, you
 9
     were a software developer in Northern California
10
     working on operating systems before you moved to
     Iowa; correct?
11
12
              That is correct.
         Α.
13
              MR. ANAPOL: Billy, can we mark
14
     Exhibit B as Exhibit 1011.
15
                      (Whereupon, Exhibit 1011 was
                marked for identification.)
16
17
     BY MR. ANAPOL:
              Mr. Rochette, do you recognize
18
19
     Exhibit 1011?
20
         Α.
              Yes.
21
              This is a copy of US Patent
         Q.
22
    No. 7,784,058.
```

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Page 25 Do you see that? 1 2 Α. Yes. 3 Q. And you are listed as the first named 4 inventor on this patent; correct? 5 Α. Yes. 6 And just for the record, I will refer Q. 7 to this as the '058 patent. Okay? 8 Α. Okay. 9 And Exhibit 1010, which we looked at Q. 10 before, I will refer to as the '814 patent. 11 Okay? 12 Α. Okay. 13 And the '058 patent generally relates to shared libraries; correct? 14 15 Α. Yes. 16 What is a shared library? Q. 17 Α. It is a grouping of code that is 18 assembled into an archive that gets linked into 19 an application that would be called a binary or 20 an executable. 21 So almost any executable in any of the operating systems that you would be familiar 22

Page 26

- 1 with would have several shared libraries linked
- 2 to it. In Unix they're called shared libraries.
- 3 In the Windows world they're called DLLs, or
- 4 dynamic link libraries.
- 5 Q. So the Windows equivalent of a Unix
- 6 shared library is a dynamic link library?
- 7 A. Correct.
- 8 Q. And when did you first become aware of
- 9 shared libraries?
- 10 A. Very early on in my career. They have
- 11 been a part of Unix and Linux and Windows for --
- 12 since the beginning, so I would have been aware
- of them very early in my career.
- 14 Q. By the 1980s would you have been aware
- 15 of shared libraries?
- 16 A. Yes, definitely.
- 17 Q. And do you understand that -- let me
- 18 withdraw the question and rephrase.
- 19 Are you familiar with a company called
- 20 sun Mike systems?
- 21 A. Yes.
- 22 Q. And Sun Microsystems was based in

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Donn Rochette Page 27 Northern California; correct? 1 2 Yes. Α. 3 Q. And you were aware of an operating system from Sun Microsystems called Solaris? 4 5 Α. Yes. 6 And Solaris predated the two patents Q. 7 that we're looking at; correct? 8 That's correct. Α. 9 MR. TONG: Objection. Vaque. 10 THE WITNESS: Sorry. 11 That is correct. 12 BY MR. ANAPOL: 13 Okay. And before -- long before you Q. 14 filed these patent applications, Solaris had 15 support for shared libraries; correct? 16 Α. Yes. And you were aware of Solaris's support 17 for shared libraries before you filed the 18 19 applications that led to these two patents; 20 correct? 21 That is correct. Α. 22 And many other operating systems also Q.

- 1 had shared libraries; correct?
- 2 A. Correct.
- 3 Q. And are you aware of any examples, from
- 4 your personal experience, of developers moving
- 5 the functionality from an operating system's
- 6 kernel to a shared library?
- 7 A. There is -- there are some examples.
- 8 You have to -- you have to -- it's not as
- 9 clear-cut as move code literally from the kernel
- 10 into a shared library, but functionality that
- 11 you would normally expect to find in the kernel
- 12 was -- has been -- had been implemented in
- 13 libraries.
- 14 Q. Can you give me an example of that?
- 15 A. [Garbled] zones was a really big
- 16 example of it.
- 17 (The reporter requested clarification.)
- 18 THE WITNESS: A feature in the Sun
- 19 Microsystems operating system called Solaris,
- 20 the feature is callid zones, z-o-n-e-s.
- 21 BY MR. ANAPOL:
- 22 Q. And do you know where the people

```
Page 29
     responsible for Solaris zones would be located?
 1
 2
         Α.
              The Bay Area --
 3
              MR. TONG: Objection. Vague.
 4
              THE WITNESS: Oh, sorry.
 5
    BY MR. ANAPOL:
 6
              Go ahead, Mr. Rochette. Sorry for the
 7
     interruption.
 8
              Yeah, they're located in the Bay Area
 9
     of California, yes.
10
              There's also examples where Apple has
     done the same kind of thing, and it's not -- I'm
11
12
            I'm answering questions you didn't ask.
     sorry.
13
     Sorry.
14
         Q.
              Well, I did ask for examples.
15
              So it sounds like you were going to
16
    mention Apple as another example; is that right?
17
         Α.
              Yeah, Apple is another example with
     the -- with the diversion of macOS that we
18
19
     currently know, there's cases where Apple has
20
    moved things that would be expected to be in
21
    other operating systems. Like, for example,
22
    Linux would be in the kernel or not in the
```

Page 30

- 1 kernel in the macOS example.
- 2 Q. And are you referring to the macOS
- 3 version that is based on Unix?
- 4 A. Yes.
- 5 Q. And that is OS X?
- 6 A. Correct.
- 7 Q. And do you know where Apple is
- 8 headquartered?
- 9 A. Cupertino, California, in the Bay Area.
- I met with groups of both of these
- 11 developers.
- 12 Q. When did you meet with these groups of
- 13 developers?
- 14 A. Early on in the Trigence days.
- I'm sorry. No. Wait. Excuse me. I
- 16 met with Apple at the end of the OnCore days. I
- 17 met with the Sunday's Solaris people early on in
- 18 the Trigence days. So it's split between the
- 19 two companies.
- 20 Q. All right. So you met with the Apple
- 21 folks before you started working at Trigence?
- 22 A. That is correct.

- 1 Q. And what was that discussion with the
- 2 Apple folks about?
- 3 A. I met with the chief technology of
- 4 Apple at the time. His name is Avie Tevanian.
- 5 And Avie was deep into doing very similar things
- 6 that we were doing at OnCore with a microkernel
- 7 and multiple-user-mode operating system elements
- 8 running, including shared libraries.
- 9 And we were working with a
- 10 microprocessor architecture called the PowerPC.
- 11 Avie and his teams were working with the
- 12 microprocessor architecture with -- I think they
- moved to Intel at the time. But anyway, they
- 14 were not -- and so they were interested in our
- 15 experience with that hardware architecture, and
- 16 we were discussing lots of deep software things
- 17 related to CPU architecture and this mode of
- 18 operation.
- 19 Q. Can you repeat the last name of this
- 20 Avie.
- 21 A. Avie Tevanian. I can't remember how to
- 22 spell it.

- 1 Q. That's fine. We can look it up. Thank
- 2 you.
- 3 So did Mr. Tevanian reach out to you,
- 4 or did you reach out to him? Do you recall?
- 5 A. My recollection is that one of the
- 6 salespeople that worked for OnCore in Northern
- 7 California had a conversation that led to an
- 8 interaction with Avie Tevanian, which led to an
- 9 invitation for me to come out and meet with him.
- 10 Q. And where did you meet with him?
- 11 A. In Cupertino in his office.
- 12 Q. And at the time you met with him, had
- 13 Apple started incorporating this functionality
- 14 that would normally be in the kernel into a
- 15 shared library --
- 16 A. Yes.
- 17 Q. -- or was that a new feature?
- 18 A. Yes. No, they were well underway with
- 19 that, yes.
- 20 Q. And do you remember anything else about
- 21 what you discussed with Mr. Tevanian?
- 22 A. No, nothing -- he wanted us to do some

Page 33

- 1 work for them, and we -- and that was about --
- 2 that's all I can recall. Lots of low-level
- 3 technical detail.
- 4 Q. Low-level technical detail related to
- 5 operating system implementations?
- 6 A. Yes.
- 7 Q. And how long did you spend talking with
- 8 Mr. Tevanian? Do you remember?
- 9 A. My recollection would be a couple of
- 10 hours.
- 11 Q. Was it just, like, one session, or were
- 12 there multiple sessions?
- 13 A. There was only one session
- 14 face-to-face.
- 15 Q. Were there some phone calls or --
- 16 A. Email exchanges. There were email
- 17 exchanges.
- 18 Q. All right. And then what about your
- 19 interactions with Solaris folks? Do you
- 20 remember who you spoke to at Sun Microsystems?
- 21 A. No, I don't remember names. I remember
- 22 we met with that entire software group

Page 34

- 1 responsible for Solaris, and I don't remember --
- 2 I don't remember the -- which -- the name of the
- 3 group. It was quite a few software developers
- 4 at their headquarters and -- yeah.
- 5 Q. Do you remember if this was before or
- 6 after 2003?
- 7 A. No. I only remember it being early in
- 8 the Trigence days. I don't remember a date.
- 9 Q. Do you remember if it was before or
- 10 after you filed these patent applications?
- 11 A. I don't remember for sure, no. I only
- 12 have a feeling.
- 13 Q. What is your feeling?
- 14 A. I think that the provisionals had been
- 15 filed, but I can't say for sure.
- 16 Q. Okay. Can you tell me if you recognize
- 17 any of these names: Andrew Tucker, John Beck,
- 18 David Comay, Andrew Gabriel, Ozgur Leonard or
- 19 Daniel Price?
- 20 A. I do recognize two of them.
- Q. Which two?
- 22 A. John Beck and -- can you read the list

Page 35 again, please. 1 2 Q. Sure. 3 Andrew Tucker, David Comay, Andrew 4 Gabriel, Ozgur Leonard, Daniel Price. 5 I recognize David's name, David Comay, Α. 6 and John Beck. 7 Q. Do you know if these were among the 8 people you spoke to at Sun Microsystems? 9 I can't remember, no. 10 How do you know Mr. Beck? Q. We met with him. I had conversations 11 Α. 12 with him. I remember -- I just remember the 13 name, because I -- when I worked with NASA in 14 Florida, there was -- I worked with a guy by the 15 name of John Beck, and I remember, you know, hey, another John Beck. You know, that just --16

- 18 Q. Okay. But the John Beck -- let me
- 19 clarify.

17

- 20 Do you remember a John Beck who was
- 21 affiliated with Sun Microsystems?

just a memory trigger is all.

22 A. Yes.

- 1 Q. And what do you remember about David
- 2 Comay?
- 3 A. The name is familiar. I think it was
- 4 in the meetings we had with Sun. That's -- I
- 5 don't remember. I can't -- I don't remember why
- 6 his name is familiar, but I recognize it.
- 7 Q. Okay. And what did you discuss in your
- 8 meetings with the Sun Microsystems folks?
- 9 A. We discussed the differences between
- 10 Solaris zones and what we were doing at
- 11 Trigence.
- 12 Q. And what was the difference?
- 13 A. Well, there's a lot of differences.
- 14 The guys at Solaris were concerned that -- it
- 15 was their feeling that we could not have
- 16 implemented what we were doing in Solaris
- 17 without having access to Solaris source code,
- 18 and we not had any -- Solaris is closed source
- 19 and was -- we didn't have any access to it.
- 20 And it was somewhat confrontational,
- 21 and we had to sit down and explain to them how
- 22 we were doing what we were doing and the way in

Page 37

- 1 which it did not require internal knowledge --
- 2 it didn't require knowledge to the internals of
- 3 Solaris in order to do what we were doing. And
- 4 they -- in the end -- it was a rather lengthy
- 5 discussion. In the end they recognized what we
- 6 were doing, and we parted friends. Everything
- 7 was fine.
- 8 Q. Okay. So initially Trigence AE was for
- 9 Linux; right?
- 10 A. Correct.
- 11 Q. And --
- 12 A. Linux and Windows.
- 13 Q. Linux and Windows?
- 14 A. Yes.
- 15 Q. And then Solaris support was added
- 16 later?
- 17 A. Yes.
- 18 Q. Okay. And so the meeting with Sun
- 19 Microsystems was after you had developed some
- 20 sort of Solaris capability for Trigence AE?
- 21 A. I don't think it was released to the
- 22 public, but, yes, we had working versions. Yes.

- 1 Q. Okay. So what your understanding of
- 2 Solaris zones?
- 3 A. Oh gosh. That is a lengthy answer.
- 4 Zones would provide a separate
- 5 container, a separate security environment for
- 6 each app and for our multiple -- and for an
- 7 application to run it. So you could define a
- 8 zone for each application you had running in
- 9 Solaris. That zone would allow the application
- 10 to have its -- potentially its own version of
- 11 files. It would -- I don't recall if it had
- 12 isolated networking, but it would provide a
- 13 secure environment, and it would provide a
- 14 separate instance of files and so forth.
- 15 And, it was -- if you look at it at a
- 16 very high level, it looked somewhat like what
- 17 Trigence AE was doing very differently and at
- 18 different -- very different results but
- 19 largely -- largely the same -- well -- anyway,
- 20 at the very, very highest level, objectives were
- 21 similar.
- 22 Q. Okay.

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- 1 A. Does that help?
- A. Does that help:
- 2 Q. Sure.
- 3 So what are some of the differences
- 4 between what Trigence AE was doing and what
- 5 Solaris zones was doing?
- 6 A. With zones, Solaris would utilize some
- 7 operating system features to create a separate
- 8 file area. They had modified the kernel, the
- 9 internals of Solaris, to support this. It
- 10 relied on kernel internals to provide
- 11 separations between applications' end zones. It
- 12 would provide separate scheduling types of
- 13 mechanisms and so forth also implemented in the
- 14 kernel.
- The Trigence solution made no changes
- 16 to the kernel -- or didn't require any changes
- 17 to the kernel. It was all done with what was
- 18 called function overlays, where the calls made
- 19 to shared libraries could be, essentially,
- 20 redirected to calls in the Trigence library, and
- 21 we were able to manipulate things in that way.
- 22 It had nothing to do with separate zones or

- 1 kernel changes or anything. So...
- Q. Okay. So when you say that Solaris
- 3 zones was different from what Trigence was
- 4 doing, you were contrasting Solaris zones with
- 5 the Trigence product, not the patents; correct?
- 6 A. Yes.
- 7 Q. So can you explain these function
- 8 overlays to me a little bit more.
- 9 A. Function overlays use an operating
- 10 system capability called library preload. In
- 11 Unix and Linux and Solaris it's called
- 12 LD Preload. In Windows it's called AppInit DLL.
- 13 And what happens is you would use LD Preload or
- 14 AppInit DLL to identify a library that you
- 15 wanted loaded with your -- with an application
- 16 as it starts. When that application starts,
- 17 there's a dynamic loader that would load the
- 18 application plus other requisite libraries.
- 19 And LD Preload/AppInit DLL would say in
- 20 addition to the requisite libraries, also load
- 21 this library, and load it first before any other
- 22 libraries. So that has the effect of managing

Page 41

- the -- what's called the namespace that the
- 2 loader used.
- 3 So if the application called a function
- 4 called fu, let's say, for example, if fu were
- 5 existent in a system library and also in a
- 6 Trigence library, because of the preload, the
- 7 loader would resolve fu to the Trigence library
- 8 instead of the system library because the
- 9 Trigence library was loaded first due to
- 10 LD Preload/AppInit DLL.
- 11 Q. Okay. So you mentioned that this
- 12 function overlay capability that Trigence was
- 13 using was called LD Preload in Solaris; is that
- 14 right?
- 15 A. Correct.
- 16 Q. Okay. So Solaris had this LD Preload
- 17 capability that could be used to provide the
- 18 function overlay capability?
- 19 A. Correct.
- 20 Q. And do you know when Solaris gained
- 21 that function overlay capability that Trigence
- 22 was using?

```
Page 42
         Α.
              That capability has been present in
 1
 2
     Solaris since its first release of its origin.
 3
         Q.
              Does the 1987 sound like approximately
     the right timeframe?
 4
 5
              Yeah, that would be -- that would be in
         Α.
 6
     the range, yes.
 7
         Q.
              I'm going to show you a document and
 8
     see if it's referring to the same thing you're
 9
     talking about when you say function overlay.
10
         Α.
              Okay.
11
              MR. ANAPOL: So, Billy, can you mark
12
     Document E as Exhibit 1012.
13
                      (Whereupon, Exhibit 1012 was
14
                marked for identification.)
15
              (Discussion held off the record.)
     BY MR. ANAPOL:
16
17
              So, Mr. Rochette, Exhibit 1015 the
         Q.
18
     cover page says "Australia Unix Systems User
19
     Group Newsletter, Volume 8, No. 5."
20
              Do you see that?
21
         Α.
              Yes.
22
              MR. ANAPOL: And, Billy, can you go to
```

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```
Donn Rochette
                                                     Page 43
     page 3 of the PDF?
 1
 2
              Mr. Rochette, do you see that this is
 3
     the table of contents?
 4
         Α.
              Yes.
 5
             And do you see that it's dated October
         Q.
 6
     1987?
 7
              Yes.
         Α.
 8
              And towards the bottom, corresponding
         Q.
 9
     with page 112, there's an entry for "Shared
     Libraries in SunOS."
10
11
              Do you see that?
12
              Yes.
         Α.
13
              MR. ANAPOL: So, Billy, could you go to
14
     page 114 of the PDF?
15
              And, Mr. Rochette, you see that this
         Q.
16
     page shows the cover of an article entitled
     "Shared Libraries in SunOS"?
17
18
         Α.
              Yes.
19
              And you see that there's four authors
20
     from Sun Microsystems.
21
              Do you see that?
22
              I do, yes.
         Α.
```

- 1 Q. And you see that they give an address
- 2 in Mountain View, California; correct?
- 3 A. Yes.
- 4 Q. And that's Northern California; right?
- 5 A. That is correct.
- 6 MR. ANAPOL: And, Billy, could you
- 7 please go to page 127 of the PDF.
- 8 Q. So, Mr. Rochette, do you see the
- 9 heading for Section 7.2 of this article?
- 10 A. Interposition, yeah, uh-huh.
- 11 Q. And could you just read this to
- 12 yourself and let me know when you're done.
- 13 A. Yeah, I'm done.
- 14 Q. So is the interposition being described
- in this 1987 article the same as the function
- 16 overlay capability that you were referring to in
- 17 your earlier testimony?
- 18 A. It is functionally the same, yes.
- 19 Q. And did you learn about this capability
- in the '80s, or did you learn about it later?
- 21 A. Oh, probably did learn about it in the
- 22 late '80s, yeah.

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- 1 Q. Do you remember how you learned about
- 2 it?
- 3 A. I don't remember the first time I used
- 4 it, no. I don't recall the scenario, no.
- 5 MR. ANAPOL: Okay. Billy, you can
- 6 close this.
- 7 Q. So I want to briefly go back to OnCore,
- 8 and then we'll take a break because we've been
- 9 going for about an hour.
- 10 Did OnCore's operating system have a
- 11 networking stack during the time you worked
- 12 there?
- 13 A. Yes.
- 14 Q. And let me just clarify that when I'm
- 15 asking about OnCore, I'm only ask about the time
- 16 you worked there, not anything that happened
- 17 after. Okay?
- 18 A. Okay.
- 19 Q. So was the networking stack for the
- 20 OnCore operating system implemented inside or
- 21 outside of the kernel?
- 22 A. Outside of the kernel.

- 1 Q. Do you remember how it was implemented?
- 2 A. It was implemented as a separate --
- 3 what's called a process as a part of -- because
- 4 all of Unix was implemented as a separate
- 5 process. So it was a part of the Unix instance,
- 6 which -- where all of Unix ran outside of the
- 7 kernel in user mode.
- 8 Q. So you had all of Unix running in user
- 9 mode on top of the OnCore operating system;
- 10 correct?
- 11 A. Yes.
- 12 Q. And so all of that was outside of the
- OnCore operating system's kernel; correct?
- MR. TONG: Objection --
- THE WITNESS: Outside of the kernel,
- 16 correct.
- 17 MR. TONG: And I'm going to object to
- 18 this line of questioning again as getting back
- 19 into deep fact discovery, outside the scope of
- 20 venue discovery, and I don't think Mr. Donn
- 21 Rochette needs to answer any of these questions.
- MR. ANAPOL: Well, your objection is

1

2

3

4

5

6

7

8

9

10

11

12

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Page 47 noted. But you still have to answer the question, Mr. Rochette. And, again, I'll just -- let me just repeat the question here. So Unix was running outside of the kernel in the OnCore operating system; correct? Α. Yes. And that includes the Unix networking Q. stack; correct? Α. Yes. And was any part of that in a shared library?

- 13 A. Yes, shared libraries were utilized for
- 14 portions of it. Yes.
- 15 Q. And did OnCore's operating system have
- 16 a file system?
- 17 A. Yes.
- 18 Q. And was the file system implemented
- 19 inside or outside of the operating system
- 20 kernel?
- 21 A. Outside of the kernel.
- Q. Was any of it in a shared library?

- 1 A. Yes, portions of it would have been
- 2 implemented in a shared library -- one or more
- 3 shared libraries, yes.
- 4 Q. And are there anybody -- let me
- 5 rephrase.
- 6 Are there anybody -- I can't get my
- 7 tenses to line up.
- 8 Are there any people in Northern
- 9 California who know about that functionality
- 10 that OnCore implemented in shared libraries?
- 11 A. That OnCore implemented? Well, there
- 12 are numerous people in Northern California that
- would be familiar with the way in which it was
- 14 done or the way in which it is done, yes.
- 15 Specifically OnCore, I don't -- I doubt it. I
- 16 don't know.
- 17 Q. Who aside from you would know, from
- 18 working at OnCore, how those file system
- 19 functionalities were implemented?
- 20 A. Well, just about any software developer
- 21 at Apple.
- 22 Q. Okay.

- 1 A. Because Apple's architecture runs in
- 2 the same way, uses the same kernel we were
- 3 using.
- 4 Q. And who aside from you would know, from
- 5 working at OnCore, how the networking stack was
- 6 implemented?
- 7 A. Same thing. Lots of people would
- 8 understand how it works, maybe not specifically
- 9 what OnCore was doing, but the architecture, the
- 10 concept, the techniques would all be well known
- 11 by anybody at Apple.
- 12 Q. And do you know if any software
- 13 developers who worked with you at OnCore are
- 14 still in Northern California?
- 15 A. There's a gentleman called George
- 16 Marrow that's still in Northern California.
- 17 That's the only one that I know of that I can
- 18 think of anyway right now.
- MR. ANAPOL: Mr. Rochette, would you
- 20 like to take a five-minute break? We've been
- 21 going for about an hour.
- THE WITNESS: I would. Thank you.

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```
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              MR. ANAPOL: Back in five minutes
 1
 2
     everybody?
 3
              MR. TONG: That's fine with us.
 4
              THE VIDEOGRAPHER: Going off the
 5
     record. The time is 11:59.
 6
                       (Recess taken.)
 7
              THE VIDEOGRAPHER: We are back on the
              The time is 12:09.
 8
     record.
 9
    BY MR. ANAPOL:
10
              Mr. Rochette, before the break you
         Q.
11
    mentioned an individual named George Marrow.
12
              Uh-huh.
         Α.
13
              Could you give us the spelling of that
14
     if you know it.
15
         Α.
              M-a-r-r-o-w.
16
         Q.
              And --
17
         Α.
              I haven't spoken to George in a long
    time. You asked if there might be anybody, and
18
    that's the only one I could think of who might
19
20
    be around.
21
            Okay. We can check. Thank you.
         Q.
22
              At the time that you had it these
```

- 1 discussions with Sun Microsystems that you
- 2 testified about earlier, do you know if they had
- 3 created zones yet at the time.
- 4 A. Yes, they had. It was very new, but
- 5 they were out and released in the product.
- 6 Q. I just want to at this point get an
- 7 overview based on your experience working in
- 8 Silicon Valley and with people in Silicon Valley
- 9 about what they knew during the time you worked
- 10 for OnCore. Okay?
- 11 A. Okay.
- 12 Q. Okay. So -- and I understand you left
- 13 OnCore in 2002; is that right?
- 14 A. I don't remember the exact date, but
- 15 that sounds -- that sounds like the right range,
- 16 yes.
- 17 Q. Or maybe earlier, but by 2002?
- 18 A. Yeah.
- 19 Q. Okay. So by 2002 did software
- 20 developers in Silicon Valley know that large
- 21 numbers of computers running different operating
- 22 systems could be connected in a network?

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- 1 MR. TONG: Objection. Foundation.
- 2 Calls for speculation.
- 3 THE WITNESS: Yes, there were many
- 4 examples of that scenario you just described by
- 5 that timeframe.
- 6 BY MR. ANAPOL:
- 7 Q. And by 2002 did software developers in
- 8 Silicon Valley know that servers running
- 9 different operating systems could work together
- 10 to provide a service?
- 11 MR. TONG: Objection. Foundation.
- 12 Calls for speculation.
- THE WITNESS: Yes, there are also
- 14 examples of that by that date.
- 15 BY MR. ANAPOL:
- 16 Q. Can you give an example?
- 17 A. We discussed things with Chase Bank in
- 18 New York, and they were using Solaris and
- 19 Windows together to form various applications,
- 20 Windows being the front end, Solaris being the
- 21 data management in the back end, together
- 22 forming a service.

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- 1 Q. That reminds me. One follow-up
- 2 question about OnCore: So was OnCore selling
- 3 the operating system we discussed earlier by
- 4 2021?
- 5 A. Yes.
- 6 Q. By 2002 did software developers in
- 7 Silicon Valley know that software could run
- 8 inside of containers?
- 9 MR. TONG: Objection. Foundation.
- 10 Calls for speculation.
- 11 THE WITNESS: Yes. The use of the term
- 12 "containers" is broad, but if you allow yourself
- a broad definition of "containers," the answer
- 14 is yes.
- 15 BY MR. ANAPOL:
- 16 Q. Did software developers in Silicon
- 17 Valley by 2002 know that servers could host more
- 18 than one container?
- 19 THE WITNESS: Yes.
- 20 MR. TONG: Same objection, belated.
- 21 BY MR. ANAPOL:
- 22 Q. By 2002 did software developers in

Donn Rochette

- 1 Silicon Valley know that putting an application
- 2 in a container could prevent the application
- 3 from accessing files in another container?
- 4 MR. TONG: Same objection. Calls for a
- 5 legal conclusion.
- 6 I'm also objecting to this whole line
- 7 of questioning again as getting into fact
- 8 discovery that Mr. Donn Rochette is not
- 9 obligated to answer during venue discovery.
- 10 BY MR. ANAPOL:
- 11 Q. Do you need me to repeat the question,
- 12 Mr. Rochette?
- 13 A. Yes, please.
- 14 Q. Sure.
- By 2002 did software developers in
- 16 Silicon Valley know that putting an application
- in a container could prevent the application
- 18 from accessing files in another container?
- MR. TONG: Same objections.
- 20 THE WITNESS: Yes. In the context of
- 21 Solaris zones, that is a true statement.

22

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- 1 BY MR. ANAPOL:
- 2 Q. By 2002 did software developers in
- 3 Silicon Valley know that putting an application
- 4 in a container could prevent the application
- 5 from interfering with applications in another
- 6 container?
- 7 MR. TONG: Same objections. Calls for
- 8 speculation. Foundation. Calls for a legal
- 9 conclusion. Not venue discovery.
- 10 THE WITNESS: Again, in the context of
- 11 Solaris zones, that would be an accurate
- 12 statement. At least in the context of Solaris
- 13 zones.
- 14 BY MR. ANAPOL:
- 15 Q. What about in the context of OnCore
- 16 operating system?
- 17 A. Yes.
- 18 MR. TONG: Same objections.
- 19 THE WITNESS: Well, no, not in OnCore.
- 20 In Trigence. Excuse me.
- 21 BY MR. ANAPOL:
- 22 Q. So did the OnCore containers not

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- 1 confine the applications in the container?
- 2 MR. TONG: Objection. Calls for legal
- 3 conclusions.
- 4 THE WITNESS: Yeah, it's difficult to
- 5 answer.
- 6 The Unix applications running with Unix
- 7 were not separated and could affect each other.
- 8 Embedded applications were separated.
- 9 BY MR. ANAPOL:
- 10 Q. So, in other words, you could have
- 11 multiple applications in one container?
- MR. TONG: Objection. Vague.
- 13 THE WITNESS: In a Unix context, yes.
- 14 BY MR. ANAPOL:
- 15 Q. And the applications running in the
- 16 Unix context on top of OnCore would be prevented
- 17 from interfering with the applications running
- 18 on the real-time portion of the operating
- 19 system; correct?
- 20 A. Yes.
- 21 MR. TONG: Objection. Calls for a
- 22 legal conclusion.

```
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    BY MR. ANAPOL:
 1
 2
              Sorry. Can you just repeat the answer,
 3
    Mr. Rochette.
 4
         Α.
              The answer is yes.
 5
              And is it also true that putting an
 6
     application in the Unix container in the OnCore
 7
     operating system would prevent it from
     interfering with files outside of that
 8
 9
     container?
10
              MR. TONG: Objection. Calls for
     speculation. Calls for a legal conclusion.
11
12
              THE WITNESS: That is a true
13
     statement -- an accurate statement.
14
    BY MR. ANAPOL:
15
              By 2002 did software developers in
         Q.
16
     Silicon Valley know that containers could have
17
    their own root file systems?
18
              MR. TONG: Objection. Calls for
19
     speculation. Leading.
20
              THE WITNESS: That is an accurate
21
     statement in the context of zones and
22
     Trigence AE [garbled].
```

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Page 58 (The reporter requested clarification.) 1 2 THE WITNESS: Sorry. 3 That is an accurate statement in the 4 context of Solaris zones, Trigence AE at least. 5 BY MR. ANAPOL: 6 I want to clarify that because I'm 7 asking about 2002. 8 So does that change your answer? 9 Oh. Α. 10 MR. TONG: Objection. Asked and answered. Same objection as well. 11 12 THE WITNESS: In answer to your 13 question, yes. I shouldn't use examples, but, 14 yes, people knew that that was possible. 15 BY MR. ANAPOL: 16 And are you familiar with a Unix Q. command called chroot. 17 18 Α. Yes. 19 And did that Unix command allow a user Q. 20 to give an application its own root file system? 21 Α. Yes. 22 Q. And do you know when chroot was

- 1 introduced?
- 2 A. It was introduced in the early Unix
- 3 days before Solaris. It was introduced by the
- 4 Bell Labs people when they first did Unix. It
- 5 goes way back.
- 6 Q. So by the 1980s at least?
- 7 A. At least. Before then, yes.
- 8 Q. And are you familiar with something
- 9 called BSD jails?
- 10 A. Yes. I forgot about those. Yes, I am.
- 11 Q. And what was BSD jails?
- 12 A. It was an open source response to the
- 13 capabilities in Solaris zones. It was a way of
- 14 obtaining very similar behavior exemplified by
- 15 zones in an open source Unix capability that
- 16 didn't require licensing yet. They're not
- 17 exactly the same, but it was close enough.
- 18 Q. So is BSD jails another container
- 19 capability?
- 20 A. Yes.
- 21 MR. TONG: Objection. Calls for legal
- 22 conclusion to the previous question.

- 1 BY MR. ANAPOL:
- 2 Q. And do you know one way or the other if
- 3 "BSD" stands for "Berkeley Software
- 4 Distribution"?
- 5 A. It is my understanding that that is
- 6 what it stands for, yes.
- 7 Q. And that's referring to the University
- 8 of California, Berkeley, in Northern California?
- 9 A. That is my understanding, yes.
- 10 Q. By 2002 did software developers in
- 11 Silicon Valley know that containers could run on
- 12 top of a kernel that was residing outside of the
- 13 caper?
- 14 MR. TONG: Objection. Calls for
- 15 speculation. Foundation. Leading.
- 16 THE WITNESS: Yes.
- 17 MR. TONG: Calls for a legal
- 18 conclusion. Sorry.
- 19 THE WITNESS: People understood that.
- 20 BY MR. ANAPOL:
- 21 O. We're almost done with this line of
- 22 questions, just so you know, Mr. Rochette. I

```
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     know it's repetitive in some sense.
 1
 2
              By 2002 did software developers in
 3
     Silicon Valley know that servers could limit the
 4
     resources used by a container?
 5
              MR. TONG: Objection. Calls for
 6
     speculation. Foundation. Leading.
 7
              THE WITNESS: Yes.
 8
    BY MR. ANAPOL:
 9
         Q.
              And did the OnCore operating system
10
    have the ability to limit resources used by a
11
     container?
12
              MR. TONG: Same objections.
13
              THE WITNESS: That was not the intent
14
    of the OnCore system, no. There was no explicit
15
     limiting of resources or -- in that -- in that
16
    architecture.
17
    BY MR. ANAPOL:
              But the OnCore system would allow a
18
19
     real-time program to preempt an application
20
     running in a Unix container; correct?
21
              That is correct. But not for -- it
         Α.
    would not allow -- it would not enforce the
22
```

```
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     amount of memory, for example, that a Unix
 1
 2
     application would use. Nothing of that nature
 3
     was done.
 4
              Yes, the really important thing was
 5
     that an application running in a real-time
 6
     context could preempt anything running in Unix
 7
     and be able to respond immediately.
 8
              And when the real-time application
 9
    preempts the application in the Unix container,
10
     the real-time container is taking processing
11
     resources away from the container at that time?
12
              Absolutely correct, yes.
         Α.
13
                         Same objections.
              MR. TONG:
14
              THE WITNESS: Sorry. I should wait for
15
     you to object.
16
              Yes.
17
    BY MR. ANAPOL:
              By 2002 did software developers in
18
19
     Silicon Valley know that servers could monitor
20
     and log a container's resource usage?
21
              MR. TONG: Same objections.
22
              THE WITNESS:
                            Yes.
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1 BY MR. ANAPOL:
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- 2 Q. And by 2002 did software developers in
- 3 Silicon Valley know that containers could have
- 4 their own IP address separate from a host?
- 5 MR. TONG: Same objections.
- THE WITNESS: I'm not 100 percent sure
- 7 of that. That was very difficult -- that's very
- 8 difficult to accomplish, the IP address, and I
- 9 don't -- honestly don't recall if that was
- 10 considered sort of commonplace.
- 11 BY MR. ANAPOL:
- 12 Q. But would it surprise you if someone
- 13 had that capability before 2002?
- MR. TONG: Objection --
- 15 THE WITNESS: It would not surprise
- 16 me --
- 17 MR. TONG: -- foundation.
- 18 THE WITNESS: -- no.
- 19 Oh, sorry.
- 20 BY MR. ANAPOL:
- 21 Q. Can you repeat the answer,
- 22 Mr. Rochette.

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- 1 A. It would not surprise me, no.
- Q. And by 2002 did software developers in
- 3 Silicon Valley know how to move software
- 4 functionality into a shared library?
- 5 MR. TONG: Objection. Calls for
- 6 speculation. Foundation. Legal conclusion.
- 7 Not venue discovery. Leading.
- 8 THE WITNESS: Yes.
- 9 BY MR. ANAPOL:
- 10 Q. And do you know whether Trigence
- 11 released its container software before or after
- 12 Solaris zones?
- 13 A. I don't recall whether anything in
- 14 Windows or Linux was released before or after
- 15 zones, no. I don't recall the dates, no.
- 16 Q. Have you ever heard of Docker?
- 17 A. Yes.
- 18 Q. And what is your understanding of
- 19 Docker?
- 20 A. Docker is a container technology that
- 21 is in wide use today.
- 22 Q. And when did you first hear about

- 1 Docker?
- 2 A. Maybe after the Trigence days, at the
- 3 end of Trigence -- my time at Trigence. I don't
- 4 recall a date.
- 5 Q. Have you personally used Docker?
- 6 A. Yes.
- 7 Q. In what context?
- 8 A. Creating containers. Allowing -- for
- 9 development purposes. For production purposes.
- 10 For monitoring purposes. We use Docker quite a
- 11 bit.
- 12 Q. When you say, "We have used Docker,"
- 13 who are you referring to?
- 14 A. Oh, I'm sorry. Multiple development
- 15 teams that I've been a part of. We have all
- 16 used Docker.
- 17 Q. Which companies that you've worked at
- 18 have used Docker?
- 19 A. AppFirst. ScienceLogic. I worked as a
- 20 contractor for the US Air Force for a while.
- 21 And Cribl most recently.
- 22 Q. Okay. So all four of those

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- 1 organizations used Docker?
- 2 A. Correct.
- 3 Q. And, Mr. Rochette, have you ever heard
- 4 of containerd?
- 5 A. Yes.
- 6 Q. What's your understanding of
- 7 containerd?
- 8 A. Containerd is a process that runs in
- 9 the background as a part of Docker and is --
- 10 implements a large portion of the Docker
- 11 functionality.
- 12 Q. And do you have an understanding of
- 13 where Docker originated?
- 14 MR. TONG: Objection. Calls for
- 15 speculation.
- 16 THE WITNESS: I don't, actually. I
- 17 know it's open source, but I don't know where or
- 18 what group originated it, no.
- 19 BY MR. ANAPOL:
- 20 Q. You mentioned Cribl in one of your
- 21 earlier answers.
- Where is Cribl located?

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- 1 A. Cribl is located in San Francisco.
- 2 Q. And do you know if Cribl is using
- 3 Docker in San Francisco?
- 4 A. Yes.
- 5 Q. And did you visit San Francisco when
- 6 you worked for Cribl?
- 7 A. Yes.
- 8 Q. How often?
- 9 A. Not very often. Once a year.
- 10 Q. And are there a lot of people in
- 11 Northern California who know about Docker?
- 12 A. Yes.
- 13 MR. TONG: Objection. Calls for
- 14 speculation.
- 15 BY MR. ANAPOL:
- 16 Q. And Cribl is the most recent company
- 17 that you worked at?
- 18 A. That is correct.
- 19 Q. Do you still work there?
- 20 A. No. I am retired.
- 21 Q. Oh, right. You mentioned that earlier.
- When did you retire from Cribl?

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1	A. 1st of September two years ago.
2	Q. 2022?
3	A. Yes.
4	Q. And how does Docker compare to the
5	technology developed at Trigence?
6	MR. TONG: Objection. Calls for legal
7	conclusions. And Daubert.
8	THE WITNESS: It is very similar.
9	Docker containers are quite similar to what is
10	described in the Trigence patent. There are
11	there are a lot of differences. You know, any
12	software developer can describe those
13	differences to you. But overall the ability to
14	create multiple containers with, you know,
15	multiple disparate applications running in them
16	is consistent.
17	BY MR. ANAPOL:
18	Q. And what do you mean by "disparate
19	applications"?
20	A. Primarily referring to applications
21	that would require a specific version of an
22	operating system. So something that would run

- 1 on -- something that was originally running in a
- 2 Windows 10 environment that would be placed in a
- 3 container and could run in a Windows 12
- 4 environment. That's what I mean by "disparate,"
- 5 meaning --
- 6 Q. So the environments are disparate,
- 7 meaning different versions of the same operating
- 8 system?
- 9 A. Different versions of the same
- 10 operating system, correct.
- 11 Q. Okay. So did you make the decision to
- 12 use Docker at the four companies you mentioned,
- or did somebody else make that decision?
- 14 A. Oh, no, somebody else made the
- 15 decision. It was -- yeah.
- 16 Q. Did you ever suggest to any of those
- 17 four companies that they use Trigence AE instead
- 18 of Docker?
- 19 A. No.
- 20 Q. Why not?
- 21 A. Because -- the primary reason is
- 22 because of the difference in the way the

- 1 Trigence AE is implemented, which requires
- 2 function overlays and shared libraries and so
- 3 forth. It's difficult for larger companies'
- 4 environments to adopt that kind of approach.
- 5 Q. Why?
- 6 A. Because it modifies the way -- there
- 7 are modifications in the way in which an
- 8 application would run that are reliant on
- 9 private, non-open-sourced libraries and so forth
- 10 that make it very difficult for someone to be
- 11 able to validate -- and you need support and
- 12 things like that.
- 13 So it's much more difficult to adopt
- 14 that kind of an approach. And I think one of
- 15 the reasons -- it's one of the reasons why
- 16 Docker is very typically chosen over an approach
- 17 like Trigence AE.
- 18 Q. And did you ever think that the
- 19 companies you were working for that use Docker
- 20 needed a license to the '814 or '058 patents?
- 21 A. No. Never crossed my mind. It never
- 22 crossed my mind that they were similar.

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- 1 Q. And do you have an understanding of
- 2 whether any of the four companies you worked at
- 3 that use Docker were also using containerd?
- 4 A. If you were using Docker, you were
- 5 using containerd.
- 6 Q. So all four of those companies were
- 7 also using containerd?
- 8 A. Yes.
- 9 Q. Okay. I want to talk a little bit more
- 10 about the disparate computing environments that
- 11 you mentioned.
- 12 A. Okay.
- MR. ANAPOL: And, Billy, could you
- 14 please pull up Exhibit 1010 for us, and scroll
- down to Column 2, please. And around lines 17
- 16 to 19, can you blow that up for us.
- 17 Q. So in the '814 patent, Mr. Rochette, do
- 18 you see that there's this definition of
- "disparate computing environments"?
- 20 A. Yes.
- 21 Q. Do you know what this means?
- 22 A. Yeah. It's -- it's worded like a

- 1 lawyer would word it. Sorry.
- 2 It is -- it's meant to speak to the
- 3 ability for applications that are unrelated to
- 4 each other to run in a common compute platform.
- 5 Q. So it says, "Environments where
- 6 computers are stand-alone or where there are
- 7 plural computers and where they are unrelated."
- 8 So does "unrelated" refer to the
- 9 computers or to the applications running on
- 10 them?
- 11 A. In this statement it refers --
- MR. TONG: Objection. Calls for a
- 13 legal conclusion.
- 14 THE WITNESS: Oh, sorry.
- 15 BY MR. ANAPOL:
- 16 Q. Go ahead, Mr. Rochette?
- 17 A. In this statement it refers to the
- 18 computer platform -- the computer platforms.
- 19 Q. And what does it mean for computer
- 20 platforms to be unrelated?
- 21 MR. TONG: Objection. Calls for a
- 22 legal conclusion.

- 1 THE WITNESS: It would be having a --
- 2 there would be stand-alone, having -- presumably
- 3 having a network connection where information
- 4 could be exchanged, but they are not necessarily
- 5 related to each other.
- If you go back to the example of a
- 7 corporate business application where it's using
- 8 Windows as a front end and some Unix or Solaris
- 9 background for data would be an example of that.
- 10 They are unrelated to each other, Windows is
- 11 Windows, Unix is Unix, and they are stand-alone,
- 12 but -- and [unintelligible] of things unrelated
- 13 that can be made to be related by applications
- 14 that talk to each other.
- Does that help? I'm not sure I'm
- 16 answering the question.
- 17 BY MR. ANAPOL:
- 18 Q. Yeah, I'm just trying to understand how
- 19 you tell whether two computers are stand-alone
- 20 or unrelated.
- 21 Do they have to be running different
- 22 operating systems?

21

22

Α.

Q.

Yes.

```
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         Α.
                   They would just be separate
 1
 2
     instances.
 3
              If you look at a rack of computers,
 4
    each hardware platform is a separate stand-alone
 5
     device. Even if they're already all running the
 6
     same hardware and all running the same operating
 7
     system, they are different from each other.
 8
              Okay. So they're considered unrelated
 9
     even if they're all in the same place, they're
10
     all connected to the same network and they're
11
     all running the same operating system?
12
         Α.
              Yes.
13
              MR. TONG: Objection. Calls for a
14
     legal conclusion.
15
              THE WITNESS: Oh, sorry.
16
              One way to differentiate that is that
17
     they would all have a different network address
    would make them standalone and separate.
18
19
    BY MR. ANAPOL:
20
              Okay. You reside in Iowa; correct?
         Q.
```

And you're retired now; right?

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- 1 A. Yes.
- 2 Q. So you're not employed in any state
- 3 outside of Iowa; is that right?
- 4 A. That is right.
- 5 Q. And are there any states outside of
- 6 Iowa that you regularly travel to for business?
- 7 A. Not for business. Only for personal.
- 8 Q. And before you retired, you worked for
- 9 Cribl; right?
- 10 A. That is correct.
- 11 O. Which was based in San Francisco?
- 12 A. Yes.
- 13 Q. And sorry if you already answered this.
- 14 I can't recall.
- 15 How often did you visit San Francisco
- 16 when you worked for Cribl?
- 17 A. About once a year. Not frequently.
- The company was remote. So we had
- 19 people in Europe and all across the United
- 20 States, and we all worked remotely.
- 21 Q. Okay. I just want to get back to
- 22 Docker --

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- 1 A. Okay.
- 2 Q. -- and then hopefully we'll be able to
- 3 wrap up here.
- 4 So Docker, based on your experience --
- 5 I'm sorry. I didn't mean Docker. I meant
- 6 Solaris zones.
- 7 A. Okay.
- 8 Q. So Solaris zones, based on your
- 9 experience, can operate in disparate computing
- 10 environments?
- 11 A. Yes.
- 12 MR. TONG: Objection. Calls for a
- 13 legal conclusion. Daubert.
- 14 BY MR. ANAPOL:
- 15 Q. And Solaris zones was capable on
- 16 running of on a plurality of servers, meaning
- 17 multiple servers?
- 18 A. Yes.
- 19 Q. And those servers would include a
- 20 processor; right?
- 21 A. Yes.
- 22 Q. And an operating system; right?

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Page 77 Α. Yes. 1 2 And a kernel; right? Q. 3 Α. Yes. 4 And local system files compatible with Q. 5 the processor? 6 Α. Yes. 7 And the server could provide executable Q. 8 applications related to a service? 9 MR. TONG: Objection. Calls for legal 10 conclusions. Daubert. 11 THE WITNESS: Yes. 12 BY MR. ANAPOL: And Solaris zones allowed applications 13 Q. 14 to be executed in a secure environment? 15 Α. Correct. MR. TONG: Same objections. 16 And 17 leading. 18 THE WITNESS: Yes. 19 BY MR. ANAPOL: 20 I will rephrase the last question. 21 Could a server running Solaris zones provide executable applications relating to a 22

VirtaMove Corp. v. Amazon.com, Inc., et al.

Page 78 service? 1 2 MR. TONG: Same objections. 3 THE WITNESS: Yes. 4 BY MR. ANAPOL: 5 And could a server running Solaris Q. zones execute applications in a secure 6 7 environment? 8 MR. TONG: Same objections. 9 THE WITNESS: Yes. 10 BY MR. ANAPOL: 11 And could a server running Solaris zones store multiple secure containers in 12 13 memory? 14 MR. TONG: Same objections. 15 THE WITNESS: Yes. BY MR. ANAPOL: 16 17 Q. And could those multiple containers have applications and system files in them? 18 19 MR. TONG: Same objections. 20 THE WITNESS: Yes. 21 BY MR. ANAPOL: 22 Q. And would those containers use the

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Donn Rochette Page 79 kernel from the operating system hosted on the 1 2 server? 3 MR. TONG: Same objections. 4 THE WITNESS: Yes. 5 BY MR. ANAPOL: 6 And that kernel would be on the server Q. 7 regardless of whether it was running any 8 containers; right? 9 MR. TONG: Same objections. 10 THE WITNESS: Yes. BY MR. ANAPOL: 11 12 Would the kernel be running on the Q. 13 operating system regardless of whether the 14 server was running any containers? 15 MR. TONG: Same objections. 16 THE WITNESS: Yes. The kernel would 17 run first and foremost, yes, in all instances. 18 BY MR. ANAPOL: 19 And would the system files in the 20 containers be compatible with the kernel? 21 MR. TONG: Same objections. THE WITNESS: That is a major 22

- 1 difference. In zones they would have to be
- 2 compatible with the kernel and the version of
- 3 the kernel being used, yes.
- 4 BY MR. ANAPOL:
- 5 Q. And did each container have its own
- 6 kernel or did they share a kernel?
- 7 A. No --
- 8 MR. TONG: Same objections.
- 9 THE WITNESS: -- one kernel shared
- 10 by -- oh, I'm sorry.
- One kernel shared by all applications.
- 12 BY MR. ANAPOL:
- 13 Q. And could a container contain system
- 14 files that were also present outside of the
- 15 container?
- MR. TONG: Same objections.
- 17 THE WITNESS: I'm sorry. Could you
- 18 clarify that.
- 19 BY MR. ANAPOL:
- 20 Q. Yeah. So imagine you have a service
- 21 running outside of the container, like, you
- 22 know, you have an instance of Apache, for

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- 1 example.
- 2 A. Okay.
- 3 Q. And then you also have an instance of
- 4 Apache running inside the container.
- 5 A. Uh-huh.
- 6 Q. Could you have system files, like, the
- 7 configuration file for Apache, one inside the
- 8 container and one outside the container?
- 9 A. Yes.
- 10 MR. TONG: Objection. Incomplete
- 11 hypothetical. Leading. Daubert. Calls for a
- 12 legal conclusion. Foundation.
- 13 THE WITNESS: Yes. That's actually a
- 14 common scenario.
- 15 BY MR. ANAPOL:
- 16 Q. And --
- 17 A. A configuration file is a very common
- 18 scenario.
- 19 Q. And would the instance of Apache inside
- 20 the container use the configuration file inside
- 21 of the container instead of the one outside of
- 22 the container?

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Page 82 1 MR. TONG: Same objections. 2 THE WITNESS: Yes. 3 BY MR. ANAPOL: And would the applications inside of a 4 5 container on Solaris zones be able to access 6 software in another container? 7 MR. TONG: Same objections. 8 THE WITNESS: No. 9 BY MR. ANAPOL: 10 And would each of those containers be Q. 11 able to have its own root file system? 12 MR. TONG: Same objections. 13 THE WITNESS: Yes. 14 BY MR. ANAPOL: 15 And do you know if Solaris zones Q. 16 allowed resource limits to be placed on a container? 17 Yes, it is. 18 Α. 19 MR. TONG: Same objection. 20 BY MR. ANAPOL: 21 Q. Mr. Rochette? 22 Α. Yes.

- 1 Q. And would applications inside of a
- 2 container be prevented from accessing system
- 3 files outside of the container?
- 4 MR. TONG: Same objections.
- 5 THE WITNESS: Yes, that is correct.
- 6 BY MR. ANAPOL:
- 7 Q. And do you know how a container would
- 8 be created in Solaris zones, in other words, how
- 9 you would get the necessary files into the
- 10 container?
- 11 A. There were very specific command line
- 12 options that you used with Solaris zones. A
- 13 zone create command and a zone command for
- 14 specifying resources, a zone command for
- 15 specifying files that were used in the zone, and
- 16 things like that. So you would -- you would
- 17 configure these things using a command line.
- 18 Q. So did Solaris zones have the ability
- 19 to create a container -- basically take an
- 20 application that's already running outside of a
- 21 container and then make a copy of it inside of a
- 22 container?

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- 1 MR. TONG: Same objections.
- 2 THE WITNESS: You would make a copy --
- 3 oh, sorry. Excuse me. Sorry.
- 4 Yes, you would make a copy of it. You
- 5 would create the zone, then you would copy files
- 6 as needed, very likely you'd have to modify the
- 7 configuration of something, and then you could
- 8 start your application.
- 9 BY MR. ANAPOL:
- 10 Q. And when you would copy files into the
- 11 container, it would be applications and system
- 12 files, or no?
- 13 A. Application files for sure. System
- 14 files would be optional, depending on what you
- 15 were doing. You might need some system files,
- 16 you might not, depending on what the application
- 17 was and what you were trying to accomplish.
- 18 Q. And when you made that copy, you would
- 19 still have the original version outside of the
- 20 container; right?
- 21 A. You would -- it would be possible, yes.
- 22 Q. I think you mentioned earlier that

- 1 Solaris zones had the capability of moving
- 2 certain functionality that would normally be in
- 3 an operating system kernel into a shared
- 4 library; is that right?
- 5 MR. TONG: Objection.
- 6 Mischaracterizes. Leading.
- 7 THE WITNESS: Yes, there were some
- 8 capabilities that were represented outside of
- 9 the kernel in user mode, correct.
- 10 BY MR. ANAPOL:
- 11 Q. What capabilities were those?
- 12 A. File system separation. The use of
- 13 something like the chroot command, or the chroot
- 14 command you referred to earlier. The -- oh, I
- 15 can't think of other examples. I mean, there
- 16 were several examples of it.
- 17 Q. And how did you learn that Solaris
- 18 zones had that capability?
- 19 A. Sitting down in front of a Solaris
- 20 operating system and using it. Reading the
- 21 documentations and using the capabilities and
- 22 testing it.

- 1 Q. And how did you determine that those
- 2 capabilities were implemented in shared
- 3 libraries rather than the kernel?
- 4 A. If you go to an application and -- you
- 5 would execute the command called LDD. LDD shows
- 6 you what libraries are required by a certain
- 7 executable, and it would -- it's very clear --
- 8 clearly shown what libraries are referenced, and
- 9 you could then look at the libraries and very
- 10 clearly see what is implemented in those
- 11 libraries.
- 12 Q. So do you know if there was any shared
- 13 library functionality in Solaris that was also
- in the kernel, in other words, the shared
- 15 library functionality was a duplicate or
- 16 performing a similar function to what was in the
- 17 kernel?
- 18 MR. TONG: Objection. Foundation.
- 19 Leading. Calls for a legal conclusion.
- THE WITNESS: There were some
- 21 networking capabilities and shared libraries and
- 22 some -- for example, that would define what IP

- 1 address is used, define what routing is used for
- 2 a container separate from the kernel and was --
- 3 would be accessed by applications before going
- 4 to the kernel.
- 5 So you would have had very similar
- 6 capability in the kernel that was accessed by
- 7 applications in these zones before going to the
- 8 kernel.
- 9 BY MR. ANAPOL:
- 10 Q. So just for the sake of a concrete
- 11 discussion, can you think of an example of a
- 12 shared library that we could talk about that had
- 13 this operating system functionality?
- 14 A. I can't recall the names of them in
- 15 Solaris. They would have been a libnetwork.so
- 16 or lib -- something with the name "network" in
- 17 it or "net." And it would have the network --
- 18 the things that would otherwise -- the things
- 19 that were also present in a kernel, like
- 20 defining an IP address, like defining routes,
- 21 like defining -- not TCP protocol, but these
- 22 would have been used by zones to configure the

- 1 network capabilities present in that zone or
- 2 container for use by the application.
- I don't remember exactly the names.
- 4 It's a long time ago, but there were shared
- 5 libraries used by Solaris that did those things.
- 6 Q. So for the networking shared library,
- 7 if there were two applications using that shared
- 8 library, would they each have their own instance
- 9 in the sense of, you know, internal data used by
- 10 the shared library having two different copies
- 11 of that data?
- MR. TONG: Objection. Foundation.
- 13 Leading. Calls for a legal conclusion.
- 14 Daubert.
- THE WITNESS: The way it works is the
- 16 code for that library in question, once loaded
- into memory, is shared by all applications.
- 18 That's the -- hence, the term "shared library."
- 19 And -- so multiple zones could make use of the
- 20 same networking library.
- 21 The difference is that the data that
- 22 they use is distinct. So the actual code that

- 1 gets executed is common across zones; the data
- 2 that they use is separate for each zone.
- 3 And any writes that would happen into
- 4 memory -- oh, gosh, at the risk of going into
- 5 detail would be -- would implement an operating
- 6 feature called copy-on-write, which would create
- 7 a different instance of a page in memory, but
- 8 it's specific to that zone.
- 9 Sorry. I think I went too deep.
- 10 BY MR. ANAPOL:
- 11 Q. And did the Trigence AE approach to
- 12 shared libraries work the same way?
- 13 A. Yes.
- 14 Q. So are you aware of any differences
- 15 between how your '058 patent uses shared
- 16 libraries versus how the Solaris zones used
- 17 shared libraries?
- 18 A. There are fundamental differences, yes.
- 19 Q. Okay. What are the differences?
- 20 A. I'm pausing to think about how to make
- 21 it very simple.
- 22 The most -- the biggest difference or

- 1 the most salient difference is the use of the
- 2 library preload. I referred to it earlier,
- 3 LD Preload and AppInit DLL. The Trigence patent
- 4 defines the use of these capabilities by and
- 5 from an operating system so that a
- 6 Trigence-specific library gets loaded
- 7 independent of the application or in addition to
- 8 the libraries required by the application. And
- 9 these function overlays I referred to earlier
- 10 are used a lot. It's the foundation to the way
- 11 that technology is defined.
- 12 This is not used in zones. Zones did
- 13 not do any of that. Where they required, for
- 14 example, different -- where they required, for
- 15 example, specific behavior for one zone versus
- 16 another zone, they were able to rely on kernel
- 17 internals in Solaris do that. Trigence AE is
- 18 not able to do that and therefore would rely on
- 19 preload and function overlays in order to
- 20 accomplish those kinds of things.
- 21 Q. Okay.
- 22 A. Really big difference. There are

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     others, but that's the biggest.
 1
 2
              And do you know if the claims of the
 3
     '058 patent reflect that difference?
 4
              MR. TONG: Objection. Daubert. Calls
 5
     for a legal conclusion.
 6
              THE WITNESS: When I reviewed the
 7
    patents in preparation for this discussion, I
     did not look at the claims. I don't -- I
 8
 9
     couldn't answer that effectively right now.
10
              MR. ANAPOL: All right. So I'm almost
11
            I probably have a couple more questions,
12
    but I want to give you an opportunity to take a
13
     lunch break if you want one.
14
              THE WITNESS: If it's okay with
15
     everybody else, I'd rather just finish.
16
              MR. ANAPOL: Okay. All right.
17
              THE WITNESS: If everybody else is
18
    okay.
19
              MR. ANAPOL: We've been going about an
20
            So, Audra, do you want to do five minutes
21
    or ten minutes for a break?
22
              We'll do a ten-minute break. I'll have
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     a few questions to wrap up. Mr. Tong might have
 1
 2
     some questions after that, but hopefully we can
 3
     just wrap this up before you need to eat lunch.
 4
              THE WITNESS:
                            Thank you.
 5
              THE VIDEOGRAPHER: Okay. Going off the
 6
              The time is 12:59.
     record.
 7
                       (Recess taken.)
 8
              THE VIDEOGRAPHER: We are back on the
 9
              The time is 1:10.
     record.
10
    BY MR. ANAPOL:
11
              Okay. So before the break, we were
    talking about Solaris zones.
12
13
              Do you remember that?
14
         Α.
              Yes.
15
              And so, as you sit here today, are you
         Q.
16
     able to identify any difference between the
17
     claims of the '058 patent and what was in
18
     Solaris zones?
19
              MR. TONG: Objection. Calls for a
20
     legal conclusion.
                        Daubert.
              THE WITNESS: I would have a difficult
21
    time being specific about claims because, as I
22
```

- 1 said, I didn't review the claims. I can -- I am
- 2 comfortable with differences in technology or
- 3 differences in implementation, but the specific
- 4 claims I would have to -- I couldn't answer
- 5 right now.
- 6 BY MR. ANAPOL:
- 7 Q. So when we go back to the court, just
- 8 so you understand, there's going to be some
- 9 briefing where we explain, you know, our
- 10 position and the other side's position, and when
- 11 we are describing to the court what happened
- 12 here, I want to be able to tell the court
- 13 whether you're what we call a willing witness or
- 14 an unwilling witness.
- So an unwilling witness would be
- 16 someone who is only going to come if they're
- 17 subject to subpoena that requires them to come
- 18 to the trial, and a willing witness is someone
- 19 who would come willingly even if they're not
- 20 compelled to come.
- 21 And so would you put yourself in the
- 22 willing or unwilling category?

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1 A. In all honesty, I would put myself in
```

- 2 the unwilling category.
- 3 Q. Okay. And then I just wanted to back
- 4 briefly to the Docker issue.
- 5 A. Okay.
- 6 Q. So you used Docker and containerd at
- 7 four different companies; right?
- 8 A. Correct.
- 9 Q. And you are the named inventor on both
- 10 the '814 patent and the '058 patent; correct?
- 11 A. Yes.
- 12 Q. The first named inventor.
- 13 A. Yes.
- 14 Q. And it never occurred to you at any of
- 15 those four companies that your company needed a
- 16 license from Trigence or VirtaMove to use Docker
- 17 or containerd?
- 18 MR. TONG: Objection --
- 19 THE WITNESS: It never occurred to me.
- 20 MR. TONG: -- leading.
- 21 THE WITNESS: It never occurred to me,
- 22 no.

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     BY MR. ANAPOL:
 1
 2
              Do you think now that Cribl needs a
 3
     license to the '814 or '058 patent to use Docker
 4
     and containerd.
 5
              MR. TONG: Objection --
 6
              THE WITNESS: Absolutely not.
 7
              MR. TONG: -- leading. Calls for a
 8
     legal conclusion.
 9
              THE WITNESS: I'm sorry. I keep doing
10
     that.
11
              Absolutely not, no.
12
              MR. ANAPOL: No further questions.
13
14
                        EXAMINATION
15
     BY MR. TONG:
16
              Mr. Rochette, it'll be my turn to ask a
         Q.
17
     few more questions.
18
         Α.
              Okay.
19
              First of all, I want to thank you for
20
     your time here today.
21
              In preparation for this deposition,
22
     have you been in communication with Amazon or
```

- 1 its counsel?
- 2 A. I spoke with Mr. Anapol very briefly to
- 3 clarify whether or not -- to clarify what I
- 4 needed to be prepared -- what I needed to bring
- 5 in; if there was any response that was required
- 6 that was -- yep.
- 7 So I had one conversation on the phone
- 8 just to make sure I was doing what I was
- 9 supposed to be doing.
- 10 Q. Did you speak with anyone else other
- 11 than Mr. Jeremy Anapol?
- 12 A. No.
- 13 Q. About how long did you speak with
- 14 Mr. Anapol?
- 15 A. Oh, I think the conversation might have
- 16 lasted ten, fifteen minutes is all.
- 17 Q. Did you speak with any other lawyers
- 18 from other firms?
- 19 A. No.
- 20 Q. Okay. And did you try and retain your
- 21 own attorney to defend you in this deposition?
- 22 A. No.

- 1 Q. Did Amazon offer you any type of
- 2 compensation or paid role as a consultant?
- 3 A. No.
- 4 Q. Did you have any email exchanges either
- 5 with Amazon or its attorneys or other
- 6 representatives?
- 7 A. The only email I've had is a
- 8 clarification of which Zoom I could use.
- 9 Q. Did -- on your -- when you had that
- 10 discussion with Mr. Anapol, what topics did he
- 11 tell you to be prepared about?
- 12 A. He explained that there was a -- I
- 13 think he described it as a motion before the
- 14 court about change of venue, and he explained
- 15 why they were doing that.
- 16 He explained that this was in reference
- 17 to the two patents, making sure that I was
- 18 comfortable with what those patents were.
- 19 And, yeah, that's about it.
- Q. Did he discuss any lines of questioning
- 21 with you?
- 22 A. No.

- 1 Q. Did he talk about how you should answer
- 2 any of the questions that he was going to ask
- 3 today?
- A. No. He was very careful to say just be
- 5 honest and answer to the best of your ability.
- 6 That was my recollection.
- 7 Q. Did you have any communications with
- 8 Amazon today during the breaks in this
- 9 deposition, either Amazon or its
- 10 representatives, like Mr. Jeremy Anapol?
- 11 A. No.
- 12 Q. Did you read the patents in preparation
- 13 for this deposition?
- 14 A. Yes. Like I said, I did not read over
- 15 the claims, but I did read over the patents,
- 16 yes.
- 17 Q. If you didn't want to be involved with
- 18 this lawsuit, why did you prepare for this
- 19 deposition and agree to, you know, so willingly
- 20 join us today?
- 21 MR. ANAPOL: Objection. Argumentative.
- 22 And mischaracterizes testimony.

- 1 And as you know, Peter, he was subject
- 2 to subpoena, so he was required by law to
- 3 attend.
- 4 MR. TONG: Okay. No speaking
- 5 objections, please.
- 6 MR. ANAPOL: You can answer,
- 7 Mr. Rochette.
- 8 THE WITNESS: I was required by law to
- 9 attend based on federal subpoena, yeah.
- 10 BY MR. TONG:
- 11 Q. So you recall what you said was you
- 12 speaking with Mr. Nigel Stokes?
- 13 A. Yeah.
- 14 Q. That was through LinkedIn; right?
- 15 A. Correct.
- 16 Q. Okay. It wasn't actual speaking, like,
- 17 by telephone, was it?
- 18 A. Yes, we had a phone conversation. He
- 19 contacted me over LinkedIn, he asked for
- 20 permission to call me, and we had a -- we had a
- 21 telephone conversation, a brief telephone
- 22 conversation.

- 1 Q. Okay. And during that conversation,
- 2 you generally expressed that you did not want to
- 3 be involved with this case; correct?
- 4 A. That is correct.
- 5 MR. ANAPOL: Objection. Leading.
- 6 BY MR. TONG:
- 7 Q. And so today you heard me object
- 8 several times that this deposition is supposed
- 9 to be limited to venue facts.
- 10 Do you remember that?
- 11 A. I do recall you saying that, yes.
- 12 Q. Why did you keep answering questions
- 13 after that objection?
- 14 A. Because I was told -- informed by other
- 15 counsel that I was required to answer it.
- 16 Q. And was that Mr. Anapol --
- 17 A. Yes.
- 18 Q. -- who informed you of that?
- 19 A. Yes.
- Q. Did he tell you that you had to
- 21 cooperate with him other than by showing up at
- 22 this deposition today?

- I don't understand that question. Α. 1
- 2 Did he tell you that the subpoena
- 3 required you to cooperate with him in any other
- 4 way outside of this deposition?
- 5 Α. No.
- 6 Q. Does Amazon represent you in any
- 7 capacity?
- 8 Α. No.
- 9 Does Mr. Jeremy Anapol represent you --Q.
- 10 or any other member of his law firm, Knobbe
- 11 Martens, represent you in any capacity?
- 12 Α. No.
- 13 If you recall, earlier today we looked
- 14 at the '814 patent, and --
- 15 Α. Yes.
- 16 -- you said it was generally related to Q.
- 17 containers.
- 18 Α. Yes.
- 19 At a high level, what was it about the Q.
- 20 use of containers that you thought was inventive
- 21 and worth filing a patent on?
- 22 Α. The ability to create separate

- 1 application environments or environments for
- 2 applications to run in Windows and Linux.
- 3 Q. And you thought that was inventive at
- 4 the time you came up with it; right?
- 5 A. Yes.
- 6 Q. Did OnCore do that already by the time
- 7 that you had filed the application for the
- 8 '814 patent?
- 9 A. Not -- they're not the same. OnCore
- 10 created -- they used the term "container." You
- 11 saw what was displayed earlier. They used the
- 12 term "virtual containers," and they are; they're
- 13 virtual containers. But they're very different.
- 14 They are -- the intent of what OnCore
- did was to create priority preemptable, embedded
- 16 applications running side by side with Linux.
- 17 What this patent describes is very different
- 18 from that.
- 19 Q. Could you elaborate a little bit more
- 20 on what this patent describes that is very
- 21 different from the virtual containers of OnCore.
- 22 A. The '814 patent describes an ability to

- 1 utilize library preloads, function overlays in
- 2 order to support a environment in which
- 3 applications with run in secure containers, in
- 4 separate containers that the OnCore technology
- 5 did not use library preload or function overlays
- 6 at all.
- 7 Q. Thanks.
- 8 By the time you had filed the
- 9 '814 patent, do you think the technology was --
- 10 of the '814 patent -- was that different from
- 11 what Solaris zones was doing at the time?
- 12 A. Yes, it was different. And the way in
- 13 which it was implemented was different, and
- 14 the -- much of the features were different.
- 15 But, yeah, there were differences.
- The primary difference is the
- 17 technology defined in the '814 patent could be
- 18 used outside of Solaris. Zones is specific to
- 19 Solaris.
- 20 Q. Other than that the technology of
- 21 Solaris zones was specific to Solaris, were
- 22 there any other ways that zones and the

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- 1 technology of the '814 patent were different?
- 2 A. Well, the fundamental design was vastly
- 3 different. The architecture was vastly
- 4 different.
- 5 I feel like I'm repeating myself, but
- 6 zones relied on specific Unix commands and
- 7 modifications to the kernel in Solaris in order
- 8 to implement those containers. What's defined
- 9 in the '814 patent does not rely on changes to
- 10 the kernel and does not rely on specific Unix
- 11 commands to implement these -- the containers
- 12 that are described.
- 13 Q. And that would have been -- modifying
- 14 the kernel in something like Solaris, that would
- 15 be very difficult to do for an average
- 16 programmer if that programmer did not have
- 17 access to the Solaris kernel source code;
- 18 correct?
- MR. ANAPOL: Leading.
- 20 THE WITNESS: It would be very
- 21 difficult. Virtually impossible.

22

- 1 BY MR. TONG:
- 2 Q. My previous question asked you about
- 3 the difference between the '814 patent and the
- 4 virtual containers of OnCore.
- 5 Did those differences exist at the time
- 6 that you had filed the provisional applications
- 7 that the '814 patent claims priority to?
- 8 A. I'm sorry. Make sure I understand your
- 9 question.
- 10 Did the differences between what the
- 11 OnCore technology defined and what's defined in
- 12 the '814 patent exist at the time the
- 13 provisional was submitted?
- 14 Yes, those differences did exist at
- 15 that timing.
- 16 Q. And similar question for Solaris zones:
- 17 Did the differences between Solaris zones and
- 18 the technology of the '814 patent exist at the
- 19 time that you filed the provisional applications
- 20 that led to the '814 patent?
- 21 A. As I stated earlier, I don't recall the
- 22 timing when zones were announced and released

- 1 relative to the provisional patent application.
- 2 I don't recall the timing of that. It was
- 3 close.
- 4 Q. So earlier you had discussed a meeting
- 5 with the folks at Solaris zones.
- 6 Do you remember discussing that
- 7 meeting?
- 8 A. Yes.
- 9 Q. And initially they thought that you or
- 10 someone else had gained access to the zone
- 11 source code?
- 12 A. That was their impression when we went
- into the meeting, correct.
- 14 Q. Okay. And then you explained to them
- 15 that you had, in fact -- well, what did you
- 16 explain to them in response to that accusation?
- 17 A. We explained in a lot detail how
- 18 Trigence AE worked, why it worked, what we did,
- 19 how to make it work, and they were able to see
- 20 in that discussion and whiteboarding that what
- 21 we were doing was able to be accomplished
- 22 without access to Solaris internals.

- 1 Q. Initially were they skeptical when you
- 2 denied accessing Solaris source code?
- 3 A. I suppose they were.
- 4 Q. And you had to more or less convince
- 5 them and dissolve that skepticism through lots
- 6 of details and discussions of how Trigence AE
- 7 worked; correct?
- 8 A. Yes.
- 9 MR. ANAPOL: Objection. Leading.
- 10 BY MR. TONG:
- 11 Q. So when you were talking with
- 12 Mr. Anapol, you had said that at your previous
- job at OnCore you only very loosely worked on
- 14 containers.
- Do you remember using the words "very
- 16 loosely" in an answer?
- 17 A. Yes.
- 18 Q. What did you mean by you only very
- 19 loosely worked on containers?
- 20 A. The use of the term "containers" has
- 21 taken on today -- in today's understanding of
- 22 the technology has taken on a fairly specific

- 1 and well-understood understanding of what that
- 2 means.
- When the OnCore work was done, there
- 4 was not such an understanding of what
- 5 "containers" mean. It was a new kind of topic,
- 6 and there was not a common understanding of it,
- 7 and so we could -- the website and marketing
- 8 people and salespeople could use the term
- 9 "containers," and it was acceptable.
- And so that's what I mean by a loose --
- 11 use of the word "containers," you would not be
- 12 able to do that. It would -- you would not be
- 13 able to use that term today for what OnCore is
- 14 doing or had -- did do. That's what I was
- 15 trying to imply.
- 16 Q. Okay. How was OnCore using the term
- 17 "containers" back then?
- 18 A. OnCore would take a microkernel, would
- 19 deploy embedded real-time applications using
- 20 that microkernel and, in parallel with that,
- 21 would employ Unix or Linux in an application.
- 22 So a real-time application would be running as a

- 1 peer to all of Unix.
- 2 And so the term "container" would be
- 3 used to describe the real-time application
- 4 running as well as Unix as an application, and
- 5 all of the applications on top of Unix would
- 6 be -- that's how they -- the term "container" --
- 7 "virtual container" was used in the OnCore
- 8 context.
- 9 Q. When you were at OnCore, did you ever
- 10 use the word "docking" or "docker"?
- 11 A. I don't recall the use of that term in
- 12 the OnCore context.
- 13 Q. Before you filed either of the '058 or
- 14 '814 patents at issue in this case, did you hear
- anyone else use the word "docking" or "docker"?
- MR. ANAPOL: Objection. Vague.
- 17 THE WITNESS: I don't recall whether or
- 18 not "docker" was a commonly used -- at the time
- 19 that was used. I don't recall.
- 20 MR. TONG: Let's turn to the
- '058 patent for a little bit.
- 22 Could we please put Mr. Rochette back

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- 1 in the main window?
- THE VIDEOGRAPHER: Do you not want me
- 3 to share?
- 4 MR. TONG: No, it's not necessary.
- 5 Q. So earlier do you remember discussing
- 6 how this patent related to shared libraries?
- 7 A. Yes.
- 8 Q. Now, you're not claiming to be the
- 9 inventor of shared libraries; correct?
- 10 A. That is correct.
- 11 Q. The '058 patent covers and discloses
- 12 more than just the use of a shared library by
- 13 itself; correct?
- 14 A. That is correct.
- 15 Q. Okay. So what did you think was
- 16 inventive about the use of shared libraries in
- 17 the '058 patent?
- 18 A. A number of things. The biggest thing
- 19 was the ability to implement things that were at
- 20 the time only implemented in the kernel. So you
- 21 could, for example, provide an application that
- 22 required an older version of Windows. Say

- 1 something ran on Windows 8; you could run it on
- 2 Windows 10.
- 3 The -- it would be required that that
- 4 application get specific files and libraries
- 5 used only by Windows 8 that not are not
- 6 available on Windows 10. So you had to ensure,
- 7 when a file was opened, that you were able to
- 8 use these shared library techniques in order to
- 9 open the file related to that application --
- 10 required by that application, not the file
- 11 provided by the operating system.
- 12 Another example of that would be an
- 13 ability to have an application use an IP address
- 14 specific to that application or container which
- is separate from other IP addresses. So you had
- 16 to again use code in these shared libraries in
- 17 order to basically ensure that the application
- 18 thought it had one IP address.
- And that's where that whole use of the
- 20 term "critical system elements" in the
- '058 patent comes into play. And you were
- 22 taking functionality that would otherwise only

- 1 be available in a kernel and putting that into
- 2 libraries that you caused that application to
- 3 use.
- 4 Q. So you said that that was the biggest
- 5 thing.
- 6 Were there any other inventive concepts
- 7 related to the '058 patent that you felt like
- 8 you had invented?
- 9 A. Well, the ability to do --
- 10 MR. ANAPOL: Objection. Calls for --
- 11 sorry. Sorry, Mr. Rochette.
- 12 Calls for a legal conclusion.
- Go ahead.
- 14 THE WITNESS: The ability to do any of
- 15 these things we've been discussing in a Windows
- 16 context at the time was very inventive. There
- 17 was no way to do any of this in Windows without
- 18 what was described at the time in these
- 19 technologies.
- 20 BY MR. TONG:
- 21 Q. Let's talk for a minute about possibly
- 22 conflicting libraries.

Page 113 If I had an application running in an 1 2 old operating system that needed to use a 3 particular library file called, let's say, ABC, 4 and I moved that application to a newer 5 operating system: What was the solution to 6 allow the moved application to still use the 7 library file ABC from the old operating system 8 rather than having it look at ABC from the new 9 operating system? 10 MR. ANAPOL: Okay. Mr. Rochette, 11 before you start, I have a couple objections, so 12 I don't want to interrupt you. 13 Calls for opinion. Outside the scope. 14 Lacks foundation. Incomplete hypothetical. 15 Go ahead. THE WITNESS: The way it works is you 16 17 would use AppInit DLL or LD Preload to load a 18 library that -- again, as I described earlier, 19 that would have an effect on the namespace. 20 So when the application opened ABC 21 library, the function overlay would cause the open to actually be implemented in one of these 22

- 1 critical system libraries or the Trigence
- 2 library. The Trigence library would go and look
- 3 for a file by that name in container-specific
- 4 sources, and if it found it, it would use that.
- 5 Even -- and if it didn't find it, then it would
- 6 fall back to use the one in the operating
- 7 system.
- 8 So if ABC -- if the library ABC existed
- 9 in the container, it would use that instead of
- 10 the operating system one, and that's how
- 11 versions of the older operating system code and
- 12 configuration data would be utilized by the
- 13 application.
- 14 MR. TONG: Could we turn back, please,
- 15 to page -- Exhibit 1012.
- 16 THE VIDEOGRAPHER: Do you want me to
- 17 share this time?
- 18 MR. TONG: Yes, please do.
- 19 THE VIDEOGRAPHER: Okay. I'm sorry
- 20 which page?
- 21 MR. TONG: Exhibit 1012. I think this
- 22 was the --

Page 115 1 THE VIDEOGRAPHER: Oh, 1012. My bad. 2 MR. TONG: Yeah. 3 Q. If I recall, we had looked at page 114 4 together. 5 Mr. Rochette, do you remember looking 6 at this? 7 Α. Yes. 8 Okay. Do you think that what you had Q. 9 described in the '058 patent is different from 10 what is being described in this paper titled "Shared Libraries in SunOS"? 11 12 MR. ANAPOL: Objection. Vague as to 13 "what you had described in the '058 patent." 14 THE WITNESS: Yeah, it's a very broad 15 question. 16 This is -- this paper is describing 17 what your libraries are and the use of shared 18 libraries and examples of how to use them. 19 you previously pointed out, the '058 patent is 20 not claiming, you know, the invention of shared 21 libraries. 22 It is using shared libraries and the

- 1 way in which shared libraries are utilized and
- 2 the dynamic loader in order to accomplish
- 3 these -- you know, in order to accomplish
- 4 certain things, but it's not changing what
- 5 shared libraries are or how they're loaded or
- 6 anything like that. So it's making use of what
- 7 your libraries are and how they are used.
- 8 I'm not -- am I answering the question?
- 9 Is that -- I don't --
- 10 BY MR. TONG:
- 11 Q. You are. Thank you very much.
- 12 A. Okay.
- 13 Q. And what was the command to -- that you
- 14 had mentioned earlier, I think you said to
- 15 preload a library?
- 16 A. To preload a library, you used a
- 17 function in the operating -- in Unix operating
- 18 systems you used a command called LD Preload.
- 19 In Windows you used a feature called
- 20 AppInit DLL.
- 21 Q. And in the '058 patent you're not
- 22 claiming to invent a preload command; correct?

- 1 A. That is correct. We're utilizing a
- 2 preload command to accomplish what's described.
- 3 Q. Thank you.
- 4 By the time you had filed the
- 5 provisional applications that led to the
- 6 '058 patent, was OnCore doing -- or performing
- 7 the technology that was described in the
- 8 '058 patent?
- 9 MR. ANAPOL: Objection. Vague as to
- 10 "the technology described in the '058 patent."
- 11 Vague as to time. And lacks foundation.
- 12 THE WITNESS: Yeah, it's my
- 13 understanding that OnCore was no longer a
- 14 company. It was out of business by the time the
- 15 provisionals were submitted for the '058 and
- 16 '814. There was no OnCore. It was gone.
- 17 BY MR. TONG:
- 18 Q. At any time before the filing of the
- 19 provisional patent that led to the '058 patent,
- 20 did OnCore perform the technology that you had
- 21 described as being disclosed in the '058 patent?
- MR. ANAPOL: Foundation.

- 1 THE WITNESS: Again, in the broadest
- 2 use of the term "containers," it can be
- 3 conceived that they were using containers. But
- 4 there was nothing -- did not specifically, no.
- 5 The specifics defined in both the '814 and '085
- 6 patents are very different from what OnCore was
- 7 doing, but in the broadest use of the term
- 8 "containers," they both had containers.
- 9 BY MR. TONG:
- 10 Q. And similar question for Solaris zones:
- 11 At any time before the filing of the provisional
- 12 patent that led to the '058 patent, did Solaris
- zones perform the technology that you had
- 14 described as being disclosed in the '058 patent?
- 15 A. Again, there's two parts to that
- 16 answer, if I understand the question correctly.
- No. 1, I don't recall the timing. As
- 18 I've said, I don't -- I just don't recall when
- 19 zones were announced and published relative to
- 20 when the patents were -- when the provisionals
- 21 were submitted. I just don't recall, No. 1.
- No. 2, there are -- there's similar --

- 1 both zones and the '814 patent define
- 2 "containers." There are very fundamental
- 3 differences in how that's accomplished.
- 4 Q. Do you remember identifying two people
- 5 that you had -- sorry. Strike that.
- 6 So you had mentioned talking to several
- 7 people who worked for Solaris zones at a
- 8 meeting.
- 9 Do you know where those people live
- 10 today?
- 11 A. No. Not today, no.
- 12 Q. Not even generally in terms of a city
- 13 or state?
- A. No. I'm not aware.
- 15 Q. And I think you had mentioned talking
- 16 to John Beck and David Comay, or at least that
- 17 you recognized their names.
- 18 A. Yes.
- 19 Q. Do you know what city or state they
- 20 live in today?
- 21 A. No, I do not.
- Q. We had talked about interposition

- 1 earlier.
- 2 A. Yes.
- 3 Q. Do you remember that?
- 4 A. Yes.
- 5 Q. And you described interposition as
- 6 "functionally the same as a function overlay."
- 7 What did you mean by "functionally the
- 8 same"?
- 9 A. It's my personal understanding; right?
- 10 So, I mean, other people can have their
- 11 own view of it, but they are accomplishing the
- 12 same thing. There are a couple different ways
- in which it can be accomplished, but they are
- 14 doing the same thing.
- 15 Q. So what's different?
- 16 A. Well, again, they're doing the same
- 17 thing. You can -- you can cause that behavior
- 18 to be accomplished in a couple different ways.
- 19 The paper from Australia showed one way.
- 20 LD Preload is another example of doing that.
- 21 The end result is the same where --
- 22 when an application is running and it makes a

- 1 call to a function, you are causing that call to
- 2 be resolved by -- in a library that you have
- 3 caused to be loaded instead of the system
- 4 library; right?
- 5 So in the example of Read, you load a
- 6 library that implements Read, and you cause the
- 7 loader to load that library either by linking
- 8 directly to it or using LD Preload when that --
- 9 there's also a function called Read in the
- 10 system library called libc. And without the
- 11 function overlay, without the interposition,
- 12 when the application calls Read, it will call a
- 13 function in libc.
- 14 However, with interposition/function
- 15 overlay what you've done is you've caused that
- 16 application to call a function called Read in
- 17 the library that you've specified and not in
- 18 libc.
- 19 Q. What was the primary use case for
- 20 preload at the time of, say, 2002?
- 21 A. One --
- MR. ANAPOL: Foundation --

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1	THE WITNESS: Oh, sorry. Go ahead.
2	MR. ANAPOL: Foundation and vague.
3	THE WITNESS: There are multiple.
4	No. 1, you are using preload to cause a
5	library to be loaded that wouldn't otherwise be
6	loaded.
7	No. 2, you are causing you are
8	enabling, by the act of loading that library,
9	interposition/function overlay. You are then
10	using function overlay to accomplish direction
11	of files to the container, specific IP addresses
12	and things of that nature that are described in
13	the invention.
14	BY MR. TONG:
15	Q. To be clear, in 2002 are you aware of
16	others who used function overlay in the context
17	of containers and things of that nature as
18	described in the invention, or was that or
19	were you just sorry. Let me rephrase that.
20	My question was what was the primary
21	use case for preload in the time of, say, 2002.
22	The part of your answer, which was, you're then

- 1 using function overlay to accomplish direction
- 2 of files to the container-specific IP addresses
- 3 and things of that nature.
- 4 Was that part of your answer to
- 5 something that was a primary use case for
- 6 preload in 2002?
- 7 A. To the best of my understanding, there
- 8 were examples of preload being used in 2002.
- 9 You could -- you could find a number of
- 10 examples.
- To the best of my understanding, there
- were not examples of preload being used to
- 13 redirect files and accomplish the networking
- 14 things. It wasn't used in that nature or in
- 15 that scope, to the best of my recollection.
- 16 Q. Okay.
- 17 A. You see the difference I'm trying to
- 18 say?
- 19 LD Preload -- preload was being used,
- 20 and there are -- there were examples of it, but
- 21 not in the context of creating a container-type
- 22 environment --

- 1 Q. Got it.
- 2 A. -- is my recollection.
- 3 Q. Okay. Thank you for clarifying.
- 4 So do you remember talking about how
- 5 Unix applications were separated and could not
- 6 affect each other in the context of containers?
- 7 A. Yes, generally.
- 8 Q. What did you mean by the part of your
- 9 answer that applications running Unix were not
- 10 separated and could affect each other?
- 11 A. Without any containers, applications
- 12 running in Unix can affect other applications by
- 13 the -- well, one of the simplest examples is
- 14 Application A comes up and uses the system IP
- 15 address and binds Port No. 1000 to that.
- 16 Application B comes up, wants to do the same
- 17 thing and is not able to -- it will receive an
- 18 error and will crash because that IP number is
- 19 port number is already in use.
- 20 So you've got Unix Application A
- 21 causing application Unix Application B not to be
- 22 able to proceed because of the way it uses

- 1 networking. It's a very simple example.
- 2 Q. And --
- 3 A. That would be one Unix behavior, you
- 4 know.
- 5 Q. And is that conflict of port number
- 6 something that was solved by the technology in
- 7 either the '814 patent or the '058 patent?
- 8 A. Yes.
- 9 MR. ANAPOL: Objection. Vague as to
- 10 the patent and vague as to the technology.
- 11 THE WITNESS: Sorry.
- 12 BY MR. TONG:
- 13 Q. Which of those patents solved this type
- of port conflict number?
- 15 A. It's described in the '814 patent.
- 16 Q. When you spoke with Mr. Anapol, did he
- 17 inform you that Amazon was a defendant in this
- 18 case, accused of patent infringement?
- 19 A. Actually, I don't recall there being a
- 20 discussion of that.
- 21 It was very clear to me from the
- 22 summons I received that that was the case. I

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Donn Rochette

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- 1 don't recall talking with Mr. Anapol about
- 2 anything like that.
- 3 Q. Did Mr. Anapol tell you that Amazon
- 4 intends to pursue a defense in this case that
- 5 your patents are, in fact, invalid?
- A. No, that was not described to me.
- 7 Q. Do you think that either of your '814
- 8 or '058 patent are invalid?
- 9 A. That would not be for me to comment.
- 10 I'm not a -- I'm -- I'm not -- I have nothing to
- 11 do with the patent, you know, organization. I'm
- 12 not a reviewer. I...
- 13 Q. You are an inventor, though; right?
- 14 A. I am an inventor, yes.
- 15 Q. And at the time that you filed for your
- 16 patent applications, for both of those, you
- 17 thought that they were, in fact, true inventions
- 18 in the sense of the -- in the common of the word
- 19 "invention"; correct?
- 20 MR. ANAPOL: Objection. Leading.
- 21 Objection. Vague. Objection to the extent it
- 22 calls for a legal conclusion.

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              THE WITNESS: Obviously we -- when we
 1
 2
     submitted the patent, we thought that it was
 3
     inventive, or we wouldn't have submitted it.
 4
    BY MR. TONG:
 5
              And has your opinion changed since the
         Q.
 6
     day you had filed the application?
 7
              MR. ANAPOL:
                           Objection. Legal
 8
     conclusion. Lacks foundation.
 9
              THE WITNESS: Well --
10
              MR. ANAPOL: And to the extent it calls
11
     for expert opinion.
12
              THE WITNESS: Yeah, I mean, it -- I'd
    have to -- I can only give you an opinion.
13
14
              I mean, there are -- at the time the
15
    biggest advantage was use of this kind of
16
     containerization in Windows and open source
17
    Linux kinds of things because it wasn't
    available at the time. Today there are lots of
18
19
    better solutions.
20
    BY MR. TONG:
21
              If Amazon were to attempt to invalidate
22
     your patents at trial and to argue that what you
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- 1 filed for is not really an invention, would you
- 2 be willing to show up and testify on the stand
- 3 and defend the validity and the integrity of
- 4 your status as an inventor?
- 5 A. Does it change the status of my -- no.
- 6 The answer is no. I don't have -- I do not feel
- 7 the need to defend the work we did or defend
- 8 this patent. I don't feel the need to do that,
- 9 and I would not do that unless I wasn't given
- 10 any option.
- 11 Q. Okay. And is that because you're
- 12 comfortable knowing that you are, in fact, an
- inventor and there's no one you need to prove
- 14 that to?
- MR. ANAPOL: Objection. Leading.
- 16 THE WITNESS: Yeah, I don't need to
- 17 prove myself to anybody. I'm very comfortable
- 18 with what I've accomplished and what these
- 19 things -- they are what they are, and...
- 20 MR. TONG: And could we -- we've been
- 21 going for a little bit could we take a short
- 22 maybe five- or ten-minute break, and then I'll

Page 129 wrap up? 1 2 THE WITNESS: Yeah, fine by me. 3 MR. TONG: Okay. Thanks. 4 MR. ANAPOL: Let's go off the record, 5 and then I want to talk about the break. 6 THE VIDEOGRAPHER: Going off the 7 The time is 1:58. record. 8 (Recess taken.) 9 THE VIDEOGRAPHER: We are back on the 10 The time is 2:06. record. BY MR. TONG: 11 12 Thank you, Mr. Rochette. I have just Q. 13 five more lines of questioning. They should 14 hopefully all be short. 15 The first one, again, relates to your 16 willingness to attend trial. It's possible that 17 Amazon may raise a defense and say that you had, 18 in fact, committed fraud upon the patent office 19 because you should have told the patent office 20 about your work at OnCore or your knowledge of 21 Solaris zones. 22 If Amazon tried to accuse you of fraud

- 1 at this trial, would you in that case be willing
- 2 to show up and defend yourself?
- 3 MR. ANAPOL: Objection. Lacks
- 4 foundation. Amazon hasn't done that. Calls for
- 5 speculation.
- 6 THE WITNESS: No. I have no -- they
- 7 can -- once again, I don't feel the need to
- 8 defend myself. It is what it is. I -- and...
- 9 BY MR. TONG:
- 10 Q. Thanks.
- 11 Are you proud of being an inventor on
- 12 these patents?
- 13 A. I feel like we did good work, yeah,
- 14 that was needed at the time.
- 15 O. For --
- MR. ANAPOL: Outside the -- sorry.
- Outside the scope.
- 18 BY MR. TONG:
- 19 Q. Are you a lawyer or do you have any
- 20 type of law degree?
- 21 A. No.
- 22 Q. Are you aware of any orders from the

- 1 court designating you as an expert in this case?
- 2 A. No.
- 3 Q. Can you confirm that you have not
- 4 received any claim constructions for either the
- 5 '814 or '058 patent from the court?
- 6 A. What did you describe it as? Claim
- 7 what?
- 8 Q. Claim constructions.
- 9 I take it from your question that you
- 10 haven't received any from the court; is that
- 11 correct?
- 12 A. No. I don't even know what it is.
- 13 Q. From the '814 patent, which is titled
- 14 "System for Containerization of Application
- 15 Sets," could you please look into the camera,
- 16 and -- assuming that this may get shown to the
- 17 judge or jury if we're unable to call you at
- 18 trial because you're not willing to attend, and
- 19 if this is the only thing that the jury hears
- 20 from you about the '814 patent, what would you
- 21 say to the jury about why the '814 patent was a
- 22 new and inventive technology at the time that

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- 1 you had filed it?
- 2 MR. ANAPOL: Objection. Outside the
- 3 scope. Lacks foundation. Assumes facts not in
- 4 evidence and calls for speculation.
- 5 THE WITNESS: At the time that this
- 6 was -- these applications were submitted, there
- 7 was no generally accepted definition of what
- 8 containers are. You have to put yourself back
- 9 in the -- back in time. Today containers are
- 10 well understood and are everywhere, and at the
- 11 time there was nothing like that.
- 12 Very close to the time that this came
- 13 out -- again, as I've said many times, I don't
- 14 know the exact timing -- Solaris had a version
- 15 that did something similar that was specific to
- 16 the Solaris operating system. You could not do
- 17 what this -- these patents describe on Linux or
- 18 Unix or Windows. And so in particular on
- 19 Windows, it was a -- it was a solution. It was
- 20 a way to create a form of container capability
- 21 that was not present at the time.
- So if you look at things now, you

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- 1 can -- you know, it's a very different world,
- 2 but at the time, particularly on Windows, you
- 3 couldn't do anything like this.
- 4 And one of the things that was thought
- 5 to be quite useful and inventive was an ability
- 6 to run older versions of an application on newer
- 7 versions of an operating system. So companies
- 8 could upgrade their systems, get requisite
- 9 security updates and stuff that came with newer
- 10 operating systems and also be able to continue
- 11 running those old applications without having to
- 12 rebuild and recertify, all kinds of things like
- 13 that. It was -- for Windows and Unix, Linux, it
- 14 was helpful and useful.
- 15 BY MR. TONG:
- 16 Q. Thank you.
- 17 And you already somewhat started to
- 18 answer my next question, but, again, if you just
- 19 had one chance to say something to the judge or
- 20 jury about why the invention in the '814 patent
- 21 was valuable and worth patenting, what would you
- 22 say to the jury?

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                           Same objections.
 1
              MR. ANAPOL:
                                              And
 2
     vague as to "value."
 3
              THE WITNESS: Well, again I would say
 4
     that at the time that the provisionals were
 5
     submitted, there wasn't the capability to do
 6
     this in any way on Windows. Now, there might
 7
    have been something that you could play with on
 8
    Linux or something like that, but it wasn't --
 9
     it wasn't a full-feature product or capability,
10
     and the use of interposition/function overlays
11
     in order to accomplish this was quite unique,
12
     quite inventive.
13
              As I outlined the discussion with the
14
     guys at Solaris, they didn't think it was
15
    possible. We sat down and went through, here's
16
    how we did it, and there's a whole community of
17
    people that went, oh, yeah, that's a -- that is
18
     different, that's unique, that's inventive and,
19
     you know, works well with Unix and Windows. So
20
     I would say that at the time it was a valuable
21
     way to consider container techniques and
22
     capabilities.
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              I'll also reiterate that it really had
 1
 2
     nothing to do with OnCore. What OnCore was
 3
     doing was very different. Despite the broad use
 4
     of the term "container," they're not the same.
 5
    BY MR. TONG:
 6
         Q.
              Okay. Thank you.
 7
              Next two questions are going to be
 8
     about the '058 patent.
 9
              So for the '058 patent, which is titled
10
     "Computing System Having User Mode Critical
     System Elements As Shared Libraries," if you
11
12
     could only have one chance to say something to
13
     the jury about why the invention in this patent
14
     is, in fact, new and inventive, what would you
15
     tell the jury?
16
              MR. ANAPOL: Same objections.
17
              THE WITNESS:
                            It was taking
     functionality that heretofore at the time of the
18
19
     invention was only available and only
20
     implemented in protected kernel-space code.
21
     wasn't moving it out of protected space.
                                                Ιt
     wasn't copying it. It was performing
22
```

- 1 similar-type behaviors in user mode. That's the
- 2 term "critical system elements."
- 3 The -- maybe the simplest example is
- 4 the use of Application A in one of these
- 5 container environments could use an IP address;
- 6 Application B could use a different IP address.
- 7 With -- you could not do that without the
- 8 capability in these function overlays and this
- 9 interposition capability. The applications
- 10 would not function without an ability to manage
- 11 these networking components.
- 12 Same example with versions of the
- 13 operating system; right? An older version of
- 14 an -- an application that was running on an
- older version of the operating system could not,
- 16 at the time that this was created, run on a
- 17 newer version of the operating system because
- 18 the libraries and other configuration files were
- 19 not compatible. And so you -- this gave you the
- 20 ability to maintain compatibility.
- 21 The big -- the important thing about
- 22 this is it gave people in the data center the

- 1 ability to upgrade their operating system
- 2 without having to go back and recompile,
- 3 recertify, rebuild, redeploy certain
- 4 applications.
- 5 Q. Thank you.
- And last question: For the '058 patent
- 7 at the time of filing, if you had one chance to
- 8 explain to the judge and jury why the invention
- 9 was valuable, what would you tell them?
- MR. ANAPOL: Same objections.
- 11 THE WITNESS: I think I would focus on
- 12 the -- 1, the use of this in Windows. At the
- 13 time this was filed, you could not do anything
- 14 like this on Windows.
- No. 2, the ability to run older
- 16 applications on new operating systems. At that
- 17 time it was a pretty big deal. It's a very big
- 18 deal. And if you think about, for example,
- 19 security updates -- everybody knows about
- 20 security updates now. It's very important to be
- 21 able to get a new version of the operating
- 22 system apply updates to that which include all

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1	the security updates and stuff you need. When
2	you do that, you break the older applications.
3	So what is your option? Your option is
4	to run with an older version of the operating
5	system, to pay more licensing fees, to pay to
6	run with relatively less secure environments.
7	This technology, as defined in '058,
8	would allow you to update those environments,
9	provide consistency across your data center, get
10	into a more secure environment, manage the
11	number of licenses you have, and at the same
12	time be able to continue to use the applications
13	that have been around for a while.
14	That is one of the major advantages
15	that people saw with the technology as defined
16	in '058.
17	BY MR. TONG:
18	Q. Thanks. Just one follow-up question.
19	You said that was one of the major
20	advantages.
21	Were there any other secondary or
22	tertiary advantages?

Page 139 MR. ANAPOL: Same objections. 1 2 THE WITNESS: The ability to get around 3 the port number limitations was another -- was 4 an advantage. The ability to use multiple IP 5 addresses on the same environment that would 6 otherwise be rather difficult to do are a couple 7 of other examples. 8 MR. TONG: All right. Thank you so 9 much for your time, Mr. Rochette. 10 Jeremy, I pass the witness. 11 MR. ANAPOL: Thank you, Peter. 12 13 FURTHER EXAMINATION 14 BY MR. ANAPOL: 15 So, Mr. Rochette, I just have a few Q. 16 follow-up questions related to what Mr. Tong 17 asked you about. 18 So he mentioned your conversation with 19 Nigel Stokes. 20 Do you remember that? 21 Α. Yes. 22 Q. When you worked at Trigence and

- 1 developed the '058 and '814 patents, was
- 2 Mr. Stokes there?
- 3 A. Not to my knowledge, no. Never spoke
- 4 with -- no.
- 5 Q. So when did Mr. Stokes become
- 6 interested in these patents?
- 7 A. I don't know when. I just know that a
- 8 couple months ago he reached out to me on
- 9 LinkedIn.
- 10 Q. So Mr. Stokes had no interest in the
- 11 patents at the time they were filed; correct?
- 12 A. That's my understanding.
- 13 MR. TONG: Objection. Calls for
- 14 speculation.
- 15 BY MR. ANAPOL:
- 16 Q. All right. Okay. And we talked
- 17 earlier about the patent claims versus the rest
- 18 of the patent.
- 19 Do you remember that?
- 20 A. Yes.
- 21 Q. Did you write the claims in either the
- 22 '814 or the '058 patent?

- 1 A. They were written by a patent attorney,
- 2 not by me.
- 3 Q. And the testimony you gave today about
- 4 differences between the patents and other
- 5 technology we discussed, was that informed by
- 6 the claims?
- 7 A. No.
- 8 Q. So it's possible that the lawyer who
- 9 wrote the claims didn't capture the distinctions
- 10 that you discussed; is that right?
- 11 A. I could only speculate, but -- yeah, I
- 12 don't know.
- Q. Well, we don't want you to speculate,
- 14 so let's talk about one of the things you
- 15 identified.
- 16 A. Okay.
- 17 Q. You said that before the patents, there
- 18 was some container capability on Solaris but not
- 19 on Windows.
- 20 Do you remember that?
- 21 A. Yes.
- MR. ANAPOL: Billy, can you pull up

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- 1 Exhibit 1010 and go to the claims, which are at
- 2 the end of the patent, starting Column 17. And
- 3 can you blow up Claim 1 for us.
- 4 Q. So, Mr. Rochette, do you see anything
- 5 in the claim that requires the invention to be
- 6 implemented on Windows or Linux?
- 7 MR. TONG: Objection. Calls for a
- 8 legal conclusion, expert opinion. Daubert.
- 9 Also outside the scope of venue discovery.
- 10 THE WITNESS: I don't think I've -- no.
- 11 And I don't think I've represented that it
- 12 required -- that anything in the patent is
- 13 required to run on Windows.
- 14 What I feel like I've been describing
- is it is able to run on Windows, and at the time
- 16 that was a big enabler. It was also able to run
- 17 on Windows and Linux.
- 18 BY MR. ANAPOL:
- 19 O. And it was able to run on Solaris;
- 20 right?
- 21 A. It was able to run on Solaris.
- 22 Q. And nothing in the patent claim says

- 1 we're only claiming the invention outside of
- 2 Solaris; right?
- 3 MR. TONG: Objection. Foundation.
- 4 Scope. Calls for a legal conclusion, expert
- 5 opinion. Daubert.
- 6 THE WITNESS: To my understanding,
- 7 there's nothing in this patent that says that it
- 8 is limited to Solaris or -- that it's limited to
- 9 any specific operating system. I don't --
- 10 that's not my understanding.
- 11 BY MR. ANAPOL:
- 12 Q. Okay. Can you point to any language in
- 13 this claim that reflects the idea that you are
- 14 the first to do this type of container
- 15 functionality on Windows or Linux?
- MR. TONG: Objection. Foundation.
- 17 Scope. Calls for legal conclusions, expert
- 18 opinion. Daubert.
- MR. ANAPOL: Okay. I'll withdraw the
- 20 question.
- 21 Q. Did you look at the patent claims and
- 22 compare them to Solaris zones or the OnCore

- 1 operating system?
- 2 A. No. Not in preparation for this and --
- 3 no.
- 4 Q. Did --
- 5 A. I didn't look at the claims. I didn't
- 6 read the claims.
- 7 Q. Did you ever have a conversation with
- 8 the patent attorney who wrote the claims to
- 9 explain how OnCore operating system worked?
- 10 MR. TONG: Objection. Potentially
- 11 privileged.
- Mr. Rochette, if you think your
- 13 conversations with your attorneys are
- 14 privileged, you absolutely do not have to answer
- 15 this question.
- 16 THE WITNESS: I don't --
- 17 MR. TONG: And, in fact, if you did
- 18 this as part of your work for either AppZero or
- 19 Trigence, you may not be able to waive privilege
- 20 at all. So I would suggest that you do not
- 21 answer this question.
- THE WITNESS: Okay.

- 1 BY MR. ANAPOL:
- 2 Q. Do you recall ever providing any
- 3 documentation about the OnCore operating system
- 4 to the patent attorney who answered these
- 5 claims?
- 6 MR. TONG: Same objection. You don't
- 7 have to answer this question.
- 8 Privileged.
- 9 BY MR. ANAPOL:
- 10 Q. You're free, Mr. Rochette, to, I guess,
- 11 make your own decision here. Mr. Tong doesn't
- 12 represent you.
- I'll caution you that to the extent you
- 14 don't answer a question because Mr. Tong thinks
- it's privileged and later we show that it's not
- 16 privileged, then we might have to have another
- deposition to have you answer the question.
- 18 A. I had no conversations with anything --
- 19 about OnCore. No conversations about OnCore.
- 20 It is my understanding and belief that OnCore is
- 21 very different than and unrelated to these
- 22 patents.

- 1 Q. To the patent specification or to the
- 2 claims?
- 3 A. Both.
- 4 Q. And how did you reach your conclusion
- 5 that OnCore is different from the claims?
- 6 A. OnCore is doing something extremely
- 7 different. OnCore has nothing do with any
- 8 function overlays, any preloading, any
- 9 networking redirection. OnCore didn't do any of
- 10 that at all.
- 11 Q. So you just listed three things:
- 12 function overlays, preloading and networking
- 13 redirections.
- 14 Can you point to me in Claim 1 where
- any of those three concepts are required?
- 16 MR. TONG: Objection. Foundation.
- 17 Calls for a legal conclusion. Calls for expert
- 18 opinion. Daubert.
- 19 THE WITNESS: Again, I haven't read the
- 20 claims. I don't -- I don't feel capable
- 21 representing the claims. I can tell you how the
- 22 technology works. I can try to answer questions

- 1 about how it works and what the intent is and
- 2 things like that, but I don't -- I have -- I
- 3 don't know what the claims are.
- 4 BY MR. ANAPOL:
- 5 Q. Okay. But you just testified that
- 6 OnCore is different from the claims, so I'm just
- 7 trying to understand the basis for that
- 8 testimony.
- 9 A. Okay.
- 10 Q. But if you don't -- if that's not your
- 11 opinion, then that's fine. I'm just trying to
- 12 clarify.
- 13 MR. TONG: Objection --
- 14 THE WITNESS: OnCore is --
- 15 MR. TONG: -- asked and answered.
- 16 THE WITNESS: OnCore is very different
- 17 from any of this, from what's described in
- 18 these -- for the way in which these patents
- 19 work, OnCore is very different. It is -- it's
- 20 very, very different.
- 21 BY MR. ANAPOL:
- 22 Q. And when you say "the way in which

- 1 these patents work," are you talking about
- 2 what's claimed or what is disclosed in the
- 3 patents?
- 4 A. What is disclosed in the patents.
- 5 Again, I don't -- did not read the claims. I
- 6 can't represent to you anything about the
- 7 claims. I don't -- I didn't -- I don't -- I
- 8 don't know about the claims. I didn't read
- 9 them.
- 10 Q. And your understanding is that those
- 11 were written by an attorney and not by you;
- 12 correct?
- 13 A. That's true.
- 14 MR. TONG: Objection. Asked and
- 15 answered.
- 16 BY MR. ANAPOL:
- 17 Q. And your answer that you just gave
- 18 about the claims and the fact that you haven't
- 19 read them and didn't write them, is that also
- 20 true of the '058 patent?
- 21 A. Yes.
- 22 Q. So whatever distinctions you pointed

- 1 out between the '058 patent and either OnCore or
- 2 Solaris zones or other technology, that was by
- 3 comparison to the disclosure and not the claims?
- 4 MR. TONG: Objection.
- 5 Mischaracterizes.
- 6 THE WITNESS: The implementation -- if
- 7 by "disclosure" you meant the implementation,
- 8 then, yes, the way in which -- what is -- yes,
- 9 the way they're implemented. I didn't
- 10 represent -- it was not my intention to
- 11 represent anything in the claims.
- 12 BY MR. ANAPOL:
- 13 Q. Okay. And, to your knowledge, did you
- 14 provide any information about the OnCore
- operating system or the Solaris zones to the
- 16 patent examiner who was responsible for
- 17 examining these claims?
- 18 A. I'm pretty confident in saying nothing
- 19 about -- that I didn't -- that there was no
- 20 conversation or interaction about OnCore.
- 21 Solaris zones, I don't know. Could have been.
- 22 I don't recall.

- 1 Q. Okay. You don't recall providing any
- 2 information about Solaris zones to the patent
- 3 examiner?
- 4 A. I do not recall.
- 5 MR. TONG: Objection. Asked and
- 6 answered.
- 7 BY MR. ANAPOL:
- 8 Q. And were you aware -- actually, I'll
- 9 withdraw that question. You already answered
- 10 it.
- And were you aware that there was a
- 12 product called Linux V-Server that provided
- 13 containers on Linux?
- MR. TONG: Objection. Vague.
- 15 Ambiguous. Foundation.
- 16 THE WITNESS: I'm not aware of Linux
- 17 V-Server, no.
- 18 BY MR. ANAPOL:
- 19 Q. So when you testified earlier that
- 20 Linux didn't have the capability provided by
- 21 these patents, you had not done any comparison
- 22 between the patents and Linux V-Server; correct?

- 1 A. I don't recall doing any -- I don't
- 2 recall there being any mention of V-Server, no.
- 3 Q. And have you ever heard of something
- 4 called User Mode Linux?
- 5 A. Yes.
- 6 Q. And what's your understanding of User
- 7 Mode Linux?
- 8 A. I don't recall the details of it.
- 9 There's -- there's a lot of -- I don't know.
- 10 I'd have to go back and look at that. I
- 11 remember -- I remember it, and there were
- 12 discussions about it, but I don't recall at this
- 13 moment how it works.
- 14 Q. So do you recall ever providing any
- 15 information about User Mode Linux to the patent
- 16 examiner?
- 17 A. I don't recall answering any questions
- 18 about that in the context of the patent, no.
- 19 Not to my recollection.
- 20 Q. And so when you testified earlier that
- 21 certain aspects of the patent seemed inventive
- 22 to you, did you check to see whether any of

- 1 those aspects were in User Mode Linux?
- 2 A. I believe there was some -- that we did
- 3 look at User Mode Linux, but it's not -- the
- 4 conclusion -- it was pretty easy to conclude
- 5 that they weren't the same and they weren't
- 6 going to be -- we were providing something very
- 7 different from that, but I don't recall the
- 8 details.
- 9 Q. So you can't recall what you thought
- 10 was inventive about the patents compared to User
- 11 Mode Linux?
- 12 A. No, I can't recall how User Mode Linux
- 13 works. No. I would have to go back --
- MR. TONG: Jeremy --
- 15 BY MR. ANAPOL:
- 16 Q. Do you --
- 17 MR. TONG: -- [overspoken] User Mode
- 18 Linux and the --
- 19 (The reporter requested clarification.)
- 20 MR. TONG: Yeah. I'm objecting to the
- 21 line of questions of User Mode Linux as outside
- 22 the scope.

- 1 MR. ANAPOL: All right. Well, I don't
- 2 have any more questions on User Mode Linux, so
- 3 that's fine.
- 4 Q. Do you recall testifying earlier,
- 5 Mr. Rochette, about the capability of running
- 6 different operating systems -- sorry. Let me
- 7 rephrase.
- 8 Do you recall testifying earlier about
- 9 running applications from an earlier version of
- 10 an operating system on a later version of an
- 11 operating system?
- 12 A. Yes.
- 13 Q. And do you recall Solaris having that
- 14 capability?
- 15 A. I don't -- I don't recall whether or
- 16 not you could run older versions of applications
- 17 in Solaris zones and stuff like that. I don't
- 18 recall.
- 19 Q. You don't know whether Solaris 9
- 20 applications could run in zones on Solaris 10?
- 21 A. I don't recall, no.
- 22 Q. And are you aware of a system called

```
Page 154
    Alpine from the University of Washington?
 1
 2
                        Objection to the scope of
              MR. TONG:
 3
     questioning as outside the scope of cross.
 4
              THE WITNESS: I am aware of Alpine
 5
    Linux.
 6
    BY MR. ANAPOL:
 7
         Q.
              Oh, sorry. Not Alpine Linux.
 8
     library called Alpine that ran on top of BSD.
 9
              Oh. No, I'm not aware of that.
         Α.
10
              MR. TONG: Same objection. Outside the
11
     scope.
12
    BY MR. ANAPOL:
13
              So when you testified earlier about
         Q.
14
    having this ability to avoid port conflicts as
15
    part of the patents, you don't know whether the
16
    Alpine library that ran on BSD had that
17
     capability or not?
18
              I'm not aware --
         Α.
19
              MR. TONG: Same objection.
20
              THE WITNESS: -- of Alpine, no.
21
     don't know how it works.
22
```

- 1 BY MR. ANAPOL:
- 2 Q. And we talked a lot about LD Preload
- 3 and function overlays.
- 4 Do you remember that?
- 5 A. Yes.
- 6 Q. And do you know if the function overlay
- 7 aspect of what you developed was recited in the
- 8 patent claims?
- 9 A. The behavior was described, yes -- oh,
- 10 in the claims. You asked about the claims. No,
- 11 I don't know about the claims. No.
- MR. ANAPOL: Thank you so much for your
- 13 time, Mr. Rochette. No further questions.
- 14
- 15 FURTHER EXAMINATION
- 16 BY MR. TONG:
- 17 Q. I have just one very short line of
- 18 questioning, Mr. Rochette, and then we should be
- 19 done after this.
- 20 So when Jeremy was questioning you, you
- 21 had answered that you have not read or written
- 22 the claims.

Donn Rochette Page 156 When you had filed for the -- strike 1 2 that. 3 When you were in the process of filing 4 for the '058 patent application, would it have 5 been your intent for the claims to capture the 6 technology as you understood and described it 7 today? 8 MR. ANAPOL: Objection. Vague. 9 foundation. Calls for speculation. Improper 10 hypothetical. 11 THE WITNESS: That seems logical. 12 BY MR. TONG: 13 And same question for the other patent, Q. 14 the -- sorry. I'm blanking on the number. 15 Same question for the '814 patent: 16 When you were in the process of filing for the 17 '814 patent, would it have been your intent for the claims to capture the technology as you 18 19 understood and described it today? 20 MR. ANAPOL: Same objections.

THE WITNESS: I don't -- I honestly

don't -- I would -- I don't know. The claims

21

22

```
Page 157
     were very -- very abstract to me.
 1
                                         The lawyer
 2
     did them, and we had conversations about the
 3
     technology and how it worked. I would --
    BY MR. TONG:
 4
 5
              Don't --
         Q.
 6
              MR. ANAPOL: Don't --
 7
    BY MR. TONG:
 8
              Don't discuss anything --
         Q.
 9
              MR. ANAPOL: Peter -- Peter, you have
    to let him finish his answer.
10
              MR. TONG: Well, I'm going to tell him
11
12
    not to reveal anything privileged.
13
              So to the extent you're about to say
         Q.
14
     anything about your discussions with a lawyer,
15
     don't reveal that. But otherwise, go ahead and
16
     finish answering the question.
17
         Α.
              Yeah, in a very -- discussions about
18
     the claims were always very vague and very
19
     legal, and I would -- I don't know. I make
     no -- I don't know how to -- I don't know how to
20
21
     defend or answer your questions about claims.
     just don't. I'm not the right guy to do that.
22
```

Donn Rochette

```
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              Yeah, to clarify my question, it's not
1
        Q.
 2
    whether or not the claims ended up one way or
 3
    another. My question was about your intent at
    the time.
 4
 5
              Would it have been your intent for your
 6
    patent to capture the technology as you
7
    understood and described it today?
8
              MR. ANAPOL: Same objections --
 9
              THE WITNESS: It was my --
10
              MR. ANAPOL: -- and relevance.
11
              THE WITNESS: It was my intent to get
12
    the description of the invention -- to describe
13
    it as it worked. That was my intent. It's up
14
    to the company and the lawyers and so forth to
15
    nail down the claims. That was not my -- I
16
    wasn't involved. Not my -- no intent. My
```

intent was to be able to describe how the

MR. TONG: Okay. Thank you,

Pass the witness. And we should be

22 done.

17

18

19

20

21

invention worked.

Mr. Rochette.

	Page 159
1	Can you confirm, Jeremy?
2	MR. ANAPOL: Yes.
3	Thanks again for your time,
4	Mr. Rochette.
5	MR. TONG: Thank you so much.
6	THE WITNESS: Am I free to go?
7	MR. ANAPOL: You are free to go.
8	MR. TONG: Mr. Rochette we can go
9	off the record.
10	THE VIDEOGRAPHER: Okay. We are going
11	off the record. This deposition is concluded at
12	2:39.
13	(Discussion held off the record.)
14	THE REPORTER: Counsel, do you need a
15	rough draft of this?
16	MR. ANAPOL: Yes, please.
17	THE REPORTER: And, Peter, do you need
18	a rough?
19	MR. TONG: Yes.
20	(Whereupon, at 2:44 P.M. CDT
21	the deposition of DONN ROCHETTE
22	was adjourned.)

9/10/2024

VirtaMove Corp. v. Amazon.com, Inc., et al.

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